

**2020-2021 Summer Release
Subject and Personnel Course Code Descriptions**

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	100009	Reading Intervention, Grades PK-6	Remedial work in reading.	PK	06
2020-2021	100010	Honors/Advanced Reading PK-6	Advanced work in skills acquisition, reading techniques, beginning reading to expanding reading power.	PK	06

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	100019	Mathematics Intervention, Grades PK-6	Remedial work in mathematics.	PK	06
2020-2021	100020	Honors/Advanced Mathematics PK-6	Advanced work in mathematical computation, problem-solving skills, and other mathematical concepts	PK	06
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	100028	English Language Arts, Grade 6	Reading literature, reading informational text, writing, speaking and listening, and language; capitalization, punctuation, spelling, and vocabulary	06	06
2020-2021	100029	English Language Arts Intervention, Grades PK-6	Remedial work English language arts	PK	06
2020-2021	100030	Honors/Advanced English Language Arts, Grades PK-6	Advanced work with grade-level standards	PK	06
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	100042	Social Studies Grade K	Learning to live together in the world beyond a family and community	0K	0K
2020-2021	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

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2020-2021	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
2020-2021	100045	Social Studies Grade 3	Geographical and historical studies of people, places, and regions; study of various cultures, places, and environments	03	03
2020-2021	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
2020-2021	100047	Social Studies Grade 5	United States History from the beginnings to the Industrial Revolution	05	05
2020-2021	100048	Social Studies Grade 6	United States History from the Industrial Revolution to the Present	06	06
2020-2021	100049	Social Studies Intervention, Grades PK-6	Remedial work below grade level in Social Studies	PK	06
2020-2021	100050	Honors/Advanced Social Studies, Grades PK-6	Advanced work in the social sciences such as history, economics, geography, government, and civics	PK	06
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	100061	Health Education, Grade PK	Children will acquire knowledge of healthy personal care routines.	PK	PK
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	100182	American Sign Language, Grade K	Development of communicative skills (including vocabulary and grammar acquisition); culture study	0K	0K
2020-2021	100183	American Sign Language, Grade 1	Development of communicative skills (including vocabulary and grammar acquisition); culture study	01	01

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2020-2021	100184	American Sign Language, Grade 2	Development of communicative skills (including vocabulary and grammar acquisition); culture study	02	02
2020-2021	100185	American Sign Language, Grade 3	Development of communicative skills (including vocabulary and grammar acquisition); culture study	03	03
2020-2021	100186	American Sign Language, Grade 4	Development of communicative skills (including vocabulary and grammar acquisition); culture study	04	04
2020-2021	100187	American Sign Language, Grade 5	Development of communicative skills (including vocabulary and grammar acquisition); culture study	05	05
2020-2021	100188	American Sign Language, Grade 6	Development of communicative skills (including vocabulary and grammar acquisition); culture study	06	06
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	100251	Physical Education, Self-Contained Grade P	Children will develop fundamental gross motor skills.	PK	PK
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	200001	English Language Arts, Grade 7	Reading literature, reading informational text, writing, speaking and listening, and language	07	07
2020-2021	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
2020-2021	200003	English Language Arts, Grade 8	Reading literature, reading informational text, writing, speaking and listening, and language	08	08
2020-2021	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
2020-2021	200005	English, Grade 9	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Reading literature, reading informational text, writing, speaking and listening, and language	09	09

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2020-2021	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
2020-2021	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
2020-2021	200009	English, Grade 10	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Reading literature, reading informational text, writing, speaking and listening, and language	10	10
2020-2021	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
2020-2021	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
2020-2021	200013	English, Grade 11	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Reading literature, reading informational text, writing, speaking and listening, and language	11	11
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	200017	English, Grade 12	NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. Reading literature, reading informational text, writing, speaking and listening, and language	12	12
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	200023	World Literature	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Reading and critiquing world literature	09	12
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	200032	Composition, Expository	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Basic composition structure; models; skill improvement	09	12
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	200044	Speech 2	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Tournaments; debate techniques; argumentation; problem solving	09	12
2020-2021	200045	Debate	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Individual work in debate	09	12
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	200053	Journalism 3	NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. School newspaper management; advanced journalism	09	12

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2020-2021	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
2020-2021	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
2020-2021	200056	The Elements 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
2020-2021	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
2020-2021	200062	Reading, Grade 7	Skill acquisition; reading techniques, developmental literature study	07	07
2020-2021	200063	Reading, Grade 8	Skill acquisition; reading techniques, developmental literature study	08	08
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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 system 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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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 PREREQUISITES 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
2020-2021	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, combinational 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
2020-2021	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 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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	210036	Algebra with Finance	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. 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. 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.	10	12
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	210039	The Elements 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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	210045	Grade 7 Accelerated Mathematics	2020-2021 TRANSITION YEAR COURSE FOR MATHEMATICS; OPTIONAL. The Grade 7 Accelerated Mathematics course has been carefully aligned and designed for middle school students who show particular motivation and interest in mathematics. Grade 7 Accelerated Mathematics includes standards from Grade 7 Mathematics and incorporates standards from Grade 8 Mathematics and Algebra I with Probability. Students who complete this class are eligible to enroll in Grade 8 Accelerated Mathematics or Grade 8 Mathematics. Students who complete both Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics are considered to have met the requirements of and may opt to omit the Algebra I with Probability course in their high school mathematics progression to enroll in additional mathematics courses after completing the required Algebra II with Statistics course.	07	07
2020-2021	210046	Grade 8 Accelerated Mathematics	2020-2021 TRANSITION YEAR COURSE FOR MATHEMATICS; OPTIONAL. The Grade 8 Accelerated course has been carefully aligned and designed for middle school students who have completed the Grade 7 Accelerated course and show particular motivation and interest in mathematics. Grade 8 Accelerated contains four content areas: Number Systems and Operations; Algebra and Functions; Data Analysis, Statistics, and Probability; and Geometry and Measurement. The algebra focus is on quadratic relationships. Students who successfully complete this course will be prepared to enter Geometry with Data Analysis in Grade 9 and then accelerate directly into Algebra II with Statistics in Grade 10, thus providing them with an opportunity to take additional, specialized mathematics coursework, such as AP Calculus or AP Statistics, in Grades 11 and 12.	08	08
2020-2021	210051	Geometry with Data Analysis	2020-2021 TRANSITION YEAR COURSE FOR MATHEMATICS; OPTIONAL. Geometry with Data Analysis is the first of three required courses in high school mathematics. In Geometry with Data Analysis, students incorporate knowledge and skills in Geometry and Measurement, Algebra and Functions, and Data Analysis, Statistics, and Probability, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study. The prerequisite for Geometry with Data Analysis is either Grade 8 Mathematics or Grade 8 Accelerated Mathematics. For students who opt to accelerate their mathematical pathways in the 9th grade, Geometry with Data Analysis may also be taken concurrently with Algebra I with Probability.	09	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	210052	Honors Geometry with Data Analysis	2020-2021 TRANSITON YEAR COURSE FOR MATHEMATICS; OPTIONAL. Honors Geometry with Data Analysis is the first of three required courses in high school mathematics. In Honors Geometry with Data Analysis, students incorporate knowledge and skills in Geometry and Measurement, Algebra and Functions, and Data Analysis, Statistics, and Probability, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study. The prerequisite for Honors Geometry with Data Analysis is either Grade 8 Mathematics or Grade 8 Accelerated Mathematics. For students who opt to accelerate their mathematical pathways in the 9th grade, Honors Geometry with Data Analysis may also be taken concurrently with Algebra I with Probability.	09	12
2020-2021	210053	Advanced Geometry with Data Analysis	2020-2021 TRANSITON YEAR COURSE FOR MATHEMATICS; OPTIONAL. Advanced Geometry with Data Analysis is the first of three required courses in high school mathematics. In Advanced Geometry with Data Analysis, students incorporate knowledge and skills in Geometry and Measurement, Algebra and Functions, and Data Analysis, Statistics, and Probability, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study. The prerequisite for Advanced Geometry with Data Analysis is either Grade 8 Mathematics or Grade 8 Accelerated Mathematics. For students who opt to accelerate their mathematical pathways in the 9th grade, Advanced Geometry with Data Analysis may also be taken concurrently with Algebra I with Probability.	09	12
2020-2021	210056	Algebra I with Probability	2020-2021 TRANSITON YEAR COURSE FOR MATHEMATICS; OPTIONAL. Algebra I with Probability builds upon algebraic concepts studied in Grade 7 and Grade 8 Mathematics. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. Algebra I with Probability is the second of three courses required for all students. Students may enroll in this course after completing Geometry with Data Analysis in Grade 9 or by completing both Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics. Students who wish to accelerate their mathematics pathways in high school may also elect to enroll in Algebra I with Probability concurrently with Geometry with Data Analysis in the 9th grade.	09	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	210057	Honors Algebra I with Probability	2020-2021 TRANSITION YEAR COURSE FOR MATHEMATICS; OPTIONAL. Honors Algebra I with Probability builds upon algebraic concepts studied in Grade 7 and Grade 8 Mathematics. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. Honors Algebra I with Probability is the second of three courses required for all students. Students may enroll in this course after completing Geometry with Data Analysis in Grade 9 or by completing both Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics. Students who wish to accelerate their mathematics pathways in high school may also elect to enroll in Honors Algebra I with Probability concurrently with Geometry with Data Analysis in the 9th grade.	09	12
2020-2021	210058	Advanced Algebra I with Probability	2020-2021 TRANSITION YEAR COURSE FOR MATHEMATICS; OPTIONAL. Advanced Algebra I with Probability builds upon algebraic concepts studied in Grade 7 and Grade 8 Mathematics. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. Advanced Algebra I with Probability is the second of three courses required for all students. Students may enroll in this course after completing Geometry with Data Analysis in Grade 9 or by completing both Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics. Students who wish to accelerate their mathematics pathways in high school may also elect to enroll in Advanced Algebra I with Probability concurrently with Geometry with Data Analysis in the 9th grade.	09	12
2020-2021	210061	Algebra II with Statistics	2020-2021 TRANSITION YEAR COURSE FOR MATHEMATICS; OPTIONAL. Algebra II with Statistics builds on the students' experiences in previous mathematics in Geometry with Data Analysis and Algebra I with Probability. It is the third of three required courses, and it is to be taken following the successful completion of Geometry with Data Analysis and either Algebra I with Probability or the combination of the Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics course sequence. It is the culmination of the three years of required mathematics content and sets the stage for continued study of topics specific to the student's interests and plans beyond high school. Algebra II with Statistics is the prerequisite for Applications of Finite Mathematics, Mathematical Modeling, Precalculus, and all other approved ALSDE mathematics classes designed for completion of students' fourth mathematics credit.	09	12

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2020-2021	210062	Honors Algebra II with Statistics	2020-2021 TRANSITON YEAR COURSE FOR MATHEMATICS; OPTIONAL. Honors Algebra II with Statistics builds on the students' experiences in previous mathematics in Geometry with Data Analysis and Algebra I with Probability. It is the third of three required courses, and it is to be taken following the successful completion of Geometry with Data Analysis and either Algebra I with Probability or the combination of the Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics course sequence. It is the culmination of the three years of required mathematics content and sets the stage for continued study of topics specific to the student's interests and plans beyond high school. Algebra II with Statistics courses are the prerequisite for Applications of Finite Mathematics, Mathematical Modeling, Precalculus, and all other approved ALSDE mathematics classes designed for completion of students' fourth mathematics credit.	09	12
2020-2021	210063	Advanced Algebra II with Statistics	2020-2021 TRANSITON YEAR COURSE FOR MATHEMATICS; OPTIONAL. Advanced Algebra II with Statistics builds on the students' experiences in previous mathematics in Geometry with Data Analysis and Algebra I with Probability. It is the third of three required courses, and it is to be taken following the successful completion of Geometry with Data Analysis and either Algebra I with Probability or the combination of the Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics course sequence. It is the culmination of the three years of required mathematics content and sets the stage for continued study of topics specific to the student's interests and plans beyond high school. Algebra II with Statistics courses are the prerequisite for Applications of Finite Mathematics, Mathematical Modeling, Precalculus, and all other approved ALSDE mathematics classes designed for completion of students' fourth mathematics credit.	09	12
2020-2021	210066	Elective Lab Course Math	2020-2021 TRANSITON YEAR COURSE FOR MATHEMATICS; OPTIONAL. School systems should provide instructional support (labs or intervention periods) for students in Geometry with Data Analysis, Algebra I with Probability, and Algebra II with Statistics. Student assignment to this class period and the length of this class period are at the LEA's discretion. Credit for this class period would count as elective credit, not mathematics credit.	09	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	210067	Applications of Finite Mathematics	2020-2021 TRANSITION YEAR COURSE FOR MATHEMATICS; OPTIONAL. Applications of Finite Mathematics was developed as a fourth-year course that extends beyond the three years of essential content that is required for all high school students. Applications of Finite Mathematics provides students with the opportunity to explore mathematics concepts related to discrete mathematics and their application to computer science and other fields and includes areas of study that are critical to the fast-paced growth of a technologically advancing world. The wide range of topics in Applications of Finite Mathematics includes logic, counting methods, information processing, graph theory, election theory, and fair division, with an emphasis on relevance to real-world problems. Logic includes recognizing and developing logical arguments and using principles of logic to solve problems. Students are encouraged to use a variety of approaches and representations to make sense of advanced counting problems, then develop formulas that can be used to explain patterns. Applications in graph theory allow students to use mathematical structures to represent real world problems and make informed decisions. Election theory and fair division applications also engage students in democratic decision-making so that they recognize the power of mathematics in shaping society. The prerequisite for Applications of Finite Mathematics is Algebra II with Statistics. Note: Students may not receive credit for both Applications of Finite Mathematics and Discrete Mathematics, as Applications of Finite Mathematics includes mathematics content that also appears in the Discrete Mathematics course.	09	12
2020-2021	210068	Mathematical Modeling	2020-2021 TRANSITION YEAR COURSE FOR MATHEMATICS; OPTIONAL. Mathematical Modeling is developed to expand on and reinforce the concepts introduced in Geometry with Data Analysis, Algebra I with Probability, and Algebra II with Statistics by applying them in the context of mathematical modeling to represent and analyze data and make predictions regarding real-world phenomena. Mathematical Modeling is designed to engage students in doing, thinking about, and discussing mathematics, statistics, and modeling in everyday life. It allows students to experience mathematics and its applications in a variety of ways that promote financial literacy and data-based decision-making skills. This course also provides a solid foundation for students who are entering a range of fields involving quantitative reasoning, whether or not they require calculus. The prerequisite for Mathematical Modeling is Algebra II with Statistics. Note: Students may not receive credit for both Mathematical Modeling and Algebra with Finance, as Mathematical Modeling includes mathematics content that also appears in the Algebra with Finance course.	09	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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 for 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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	230061	World Geography	Major world geographic areas; interrelationships between people and habitat; political, social, cultural, and economic geography	09	12
2020-2021	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
2020-2021	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
2020-2021	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 a respect for, alternative approaches, viewpoints, and ideas.	11	12

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	240017	Varsity Baseball	This course covers 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 Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2020-2021	240021	Varsity Basketball	This course covers 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 Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2020-2021	240025	Varsity Cheerleading	This course covers 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 Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2020-2021	240029	Varsity Cross Country	This course covers 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 Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2020-2021	240033	Varsity Football	This course covers 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 Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2020-2021	240037	Varsity Golf	This course covers fundamental 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 Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2020-2021	240041	Varsity Soccer	This course covers 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 Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent.	09	12

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2020-2021	240045	Varsity Softball	This course covers 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 Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2020-2021	240049	Varsity Swimming	This course covers 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 Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2020-2021	240053	Varsity Tennis	This course covers 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 Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2020-2021	240057	Varsity Track and Field	This course covers 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 Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2020-2021	240061	Varsity Volleyball	This course covers 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 Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2020-2021	240065	Varsity Wrestling	This course covers 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 Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2020-2021	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 Beginning Kinesiology course standards from the 2019 Alabama Physical Education Course of Study. LEA electives using this code MUST HAVE COURSE PRIOR APPROVAL FROM THE ALSDE.	10	12

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2020-2021	240070	Varsity Gymnastics	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 Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2020-2021	240074	Varsity Bowling	This course covers 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 Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2020-2021	240078	Varsity Casting, Angling, Fishing	This course covers 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 Beginning Kinesiology course or an approved waiver substitution from the ALSDE Superintendent.	09	12
2020-2021	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
2020-2021	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
2020-2021	250001	Health, Grades 7-8	Develops an understanding of health issues and personal responsibilities related to adolescent growth and development	07	08
2020-2021	250002	Health Education	This is a half-credit course which is required for graduation. It is recommended that students take this course in Grade 10.	09	12
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	260003	Computer Science Elective, Grades 7-12	Elective course developed locally	07	12
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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 NOTE: THIS COURSE MAY ONLY BE OFFERED THROUGH AN APPROVED	11	12
2020-2021	270008	Chinese, Ab initio, SL, IB	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	270048	German, Ab initio, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED 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. 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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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 NOTE: THIS COURSE MAY ONLY BE OFFERED 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. FULFILLS A FOREIGN LANGUAGE CREDIT TOWARD THE ADVANCED ACADEMIC ENDORSEMENT UNTIL FALL 2016.	08	12
2020-2021	270073	Italian, Ab initio, SL, IB	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	270088	Japanese, Ab initio, SL, IB	NOTE: THIS COURSE MAY ONLY BE OFFERED 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. 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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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., 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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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 Provisinal Certificate issued by the American Sign Language Teachers Association.	08	12
2020-2021	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 Provisinal Certificate issued by the American Sign Language Teachers Association.	08	12
2020-2021	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 Provisinal Certificate issued by the American Sign Language Teachers Association.	08	12
2020-2021	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 Provisinal Certificate issued by the American Sign Language Teachers Association.	08	12
2020-2021	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 Provisinal Certificate issued by the American Sign Language Teachers Association.	08	12
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	270181	Arabic, ab initio, SL IB	NOTE: THIS COURSE IS APPLIICABLE ONLY WHEN ADMINISTERED THROUGH AN APPROVED INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAMME. NOTE THAT AB INITION 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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	282301	Media Arts, Digital Imaging III	PREREQUISITE: DIGITAL IMAGING 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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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 serves as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	05	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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.	06	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	283212	Traditional and Emerging Ensembles: Percussion II (one credit)	PREREQUISITE: INTRODUCTION TO PERCUSSION 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
2020-2021	283213	Traditional and Emerging Ensembles: Percussion II (one-half credit)	PREREQUISITE: INTRODUCTION TO PERCUSSION 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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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 serves as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	06	12
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	283312	Traditional and Emerging Ensembles: Percussion III (one credit)	PREREQUISITE: PRECUSSION 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
2020-2021	283313	Traditional and Emerging Ensembles: Percussion III (one-half credit)	PREREQUISITE: PRECUSSION 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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	283512	Traditional and Emerging Ensembles: Percussion V (one credit)	PREREQUISITE: PERCUSSION 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

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	283517	Traditional and Emerging Ensembles: Orchestra Chamber Ensemble V (one-half credit)	PREREQUISITE: ORCHESTRA 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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

**2020-2021 Summer Release
Subject and Personnel Course Code Descriptions**

Updated 4/20/2020

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

**2020-2021 Summer Release
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Updated 4/20/2020

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	284203	Harmonizing Instruments: Ukulele II	PREREQUISITE: INTRODUCTION TO UKELELE FOR 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
2020-2021	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
2020-2021	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
2020-2021	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

**2020-2021 Summer Release
Subject and Personnel Course Code Descriptions**

Updated 4/20/2020

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	284604	Music Technology, Sound Engineering I	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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
2020-2021	284609	Music Technology Elective I - Proficient	Music Technology I course developed locally, 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
2020-2021	284650	Music Technology, Music Production and Engineering II	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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
2020-2021	284651	Music Technology, Audio Technology II	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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
2020-2021	284652	Music Technology, Mix Techniques II	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	284653	Music Technology, Production Techniques II	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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
2020-2021	284654	Music Technology, Sound Engineering II	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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
2020-2021	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
2020-2021	284700	Music Technology, Music Production and Engineering III	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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
2020-2021	284701	Music Technology, Audio Technology III	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	284702	Music Technology, Mix Techniques III	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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
2020-2021	284703	Music Technology, Production Techniques III	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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
2020-2021	284704	Music Technology, Sound Engineering III	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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
2020-2021	284709	Music Technology Elective III - Advanced	Music Technology course developed locally, advanced 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
2020-2021	284750	Composition and Theory: Music Theory I	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	284751	Composition and Theory: Music Composition I	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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
2020-2021	284752	Composition and Theory: Songwriting I	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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
2020-2021	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
2020-2021	284800	Composition and Theory: Music Theory II	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	284801	Composition and Theory: Music Composition II	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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
2020-2021	284802	Composition and Theory: Songwriting II	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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
2020-2021	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
2020-2021	284850	Composition and Theory: Music Theory III	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	284851	Composition and Theory: Music Composition III	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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
2020-2021	284852	Composition and Theory: Songwriting III	PREREQUISITE: TRADITIONAL AND EMERGING ENSEMBLE (INSTRUMENTAL OR VOCAL) COURSE OR HARMONIZING INSTRUMENT COURSE AT A MINIMAL PROFICENCY 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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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 serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12
2020-2021	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
2020-2021	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
2020-2021	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 placed on the safe practices and proper use of tools, equipment and materials.	09	12
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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 serve as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	286202	Visual Arts, Photography II	PREREQUISITE: 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
2020-2021	286203	Visual Arts, Digital Photography II	PREREQUISITE: INTRODUCTION TO DIGITAL PHOGOTGRAHY 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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	286302	Visual Arts, Photography III	PREREQUISITE: PHOGOTGRAHY 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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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 serves as ONE OF THE CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION AREA OF STUDY courses for graduation.	09	12
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	290001	Driver and Traffic Safety Education	Safe driving theory; in class study; driving hazards; boating safety; behind the wheel experience; safety practices	08	12
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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 anesthesiology, basic surgery procedures, health management, business management, and technology.	09	12
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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 saaws, string trimmers, tillers, generators, pumps, pollution controls, and electrical systems and repair.	09	12
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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 firest 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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	420061	Specialty Floral Design & Management	A one-credit course designed to enhance students' knowledge of business operations, management, and floral design skills.	09	12
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	420100	Career Clusters Exploration through Agriscience	<p>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.</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>	07	08
2020-2021	420101	Fundamentals of Agriscience	<p>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.</p> <p>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.</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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	420102	Intermediate Agriscience	<p>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.</p> <p>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.</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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	420103	Advanced Agriscience	<p>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.</p> <p>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.</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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	420104	Applied Agricultural Mechanics	<p>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.</p> <p>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.</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
2020-2021	430004	Architecture, Construction, and Manufacturing	<p>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.</p>	09	12
2020-2021	430010	Intermediate Drafting	<p>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.</p>	09	12
2020-2021	430011	Advanced Drafting Design	<p>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.</p>	09	12
2020-2021	430012	Structural Drafting	<p>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.</p>	09	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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.</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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	460035	Preschool 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. 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.</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>	11	11

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	460036	Preschool 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. 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.</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>	11	11

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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

Subject and Personnel Course Code Descriptions

School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	460038	Infant/Toddler 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 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.</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>	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	460039	Infant/Toddler 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 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.</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>	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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 & 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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	470013	Advanced Accounting	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.	09	12
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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 etchis in the financial services industry.	09	12
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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-interactive, managerial, and organizational skills.	09	12
2020-2021	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-interactive, managerial, and organizational skills.	09	12
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	490024	Orientation to Health Science	<p>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.</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
2020-2021	490025	Sports Medicine Intermediate	<p>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.</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

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2020-2021	490026	Sports Medicine Advanced	<p>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.</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>	11	12
2020-2021	490027	Patient Care Technician	<p>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.</p> <p>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.</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>	11	12

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2020-2021	490028	Sports Medicine Fundamentals	<p>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.</p> <p>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.</p>	09	12
2020-2021	490029	Pharmacy Technician	<p>Pharmacy Technician is a one credit course that prepares students for the Pharmacy Technician Certification exam and a pharmaceutical career. The course covers content related to medicine, federal requirements, patient safety, quality assurance, and order processing. Foundations of Health Science is a prerequisite course.</p>	09	12
2020-2021	490031	Health Informatics	<p>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.</p>	09	12
2020-2021	490032	Support Services	<p>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.</p>	09	12
2020-2021	490033	Medical Terminology	<p>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.</p>	09	12

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2020-2021	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
2020-2021	490035	Medical Coding	<p>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.</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
2020-2021	490036	Operating Room Foundations	Operating Room Foundations is a one-credit course that introduces students to the exciting and dynamic world of the operating room, and exposes students to an array of multidisciplinary specialties and concepts within perioperative medicine. Course content focuses on the knowledge and skills needed to promote patient safety and optimize surgical outcomes.	09	12
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	500014	Baking and Pastry Arts	<p>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.</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
2020-2021	500015	Event Planning	<p>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.</p>	09	12
2020-2021	500021	Travel and Tourism I	<p>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.</p>	09	12
2020-2021	500022	Travel and Tourism II	<p>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.</p>	09	12
2020-2021	500023	Sports, Recreation, and Entertainment Management	<p>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.</p>	09	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	510006	Exploring Career Pathways in Family and Consumer Sciences Clusters	<p>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.</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>	06	08
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	510018	Dietetics (one-half credit)	<p>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.</p>	09	12
2020-2021	510021	Child Development (one credit)	<p>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.</p>	09	12
2020-2021	510022	Child Development (one-half credit)	<p>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.</p>	09	12
2020-2021	510023	Parenting (one credit)	<p>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.</p>	09	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	510035	Counseling and Mental Health	<p>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.</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
2020-2021	510036	Gerontology	<p>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.</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
2020-2021	510041	Fashion (one credit)	<p>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.</p>	09	12
2020-2021	510042	Fashion (one-half credit)	<p>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.</p>	09	12
2020-2021	510043	Creative Arts (one-half credit)	<p>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.</p>	09	12
2020-2021	510044	Fashion Design	<p>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.</p>	09	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	510045	Fashion Media	<p>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.</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
2020-2021	510046	Creative Designs	<p>This course is designed to provide students the opportunity to use a variety of equipment, including heat transfer/digital printers, cutters, embroidery machines, heat presses, quilting machines, and computer design software programs to develop skills needed to effectively organize and manage a business while also learning the necessary employability (soft) skills to be a productive employee in the workforce.</p>	09	12
2020-2021	510051	Housing (one credit)	<p>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.</p>	09	12
2020-2021	510052	Housing (one-half credit)	<p>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.</p>	09	12
2020-2021	510053	Interior Design I	<p>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.</p>	09	12
2020-2021	510054	Interior Design II	<p>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.</p>	09	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	510055	Art, Architecture, and Design	<p>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.</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
2020-2021	510057	Introduction to Real Estate Sales	<p>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.</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>	09	12
2020-2021	510058	Buying and Selling Real Estate	<p>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.</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	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	510059	The Real Estate Brokerage Business	<p>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.</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	12
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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 perquisite for Nail Art and Applications and State Board Practicum Pathway B.	09	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	510076	Natural Hair Styling Practicum	<p>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.</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
2020-2021	510077	CTE Lab in Cosmetology	<p>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.</p>	09	12
2020-2021	510160	Introduction to Barbering	<p>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.</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
2020-2021	520005	Information Technology Fundamentals	<p>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.</p>	09	12
2020-2021	520006	Computer Programming Basic I	<p>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.</p>	09	12
2020-2021	520007	Computer Science A, AP	<p>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.</p>	09	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	520033	Microsoft Office Specialist Extension-NAF	A one-half credit course designed 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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	550013	Sports and Entertainment Marketing Fundamentals	<p>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.</p> <p>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.</p>	09	12
2020-2021	550014	Buying and Merchandising	<p>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.</p>	09	12
2020-2021	550015	Integrated Marketing Communications and Branding	<p>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.</p>	09	12
2020-2021	550016	Marketing Research (one-half credit)	<p>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.</p>	09	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	560016	Principles of Engineering - PLTW	A one-credit course designed to explore technology systems and manufacturing processes.	09	12
2020-2021	560017	Digital Electronics - PLTW	A one-credit course that provides instruction and experiences in electronic circuitry.	09	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	560033	Engineering Essentials-PLTW	A one credit course designed for high school students to explore the work of engineers and their role in the design and development of solutions to real-world problems.	09	12
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	570017	Aircraft Welding	A one-credit course introducing students to materials and techniques used for aircraft welding.	09	12
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	570028	Automotive Suspension & Steering	A one-credit course designed to provide students with a working knowledge of suspension and steering systems.	09	12
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	570041	Diesel Engines II	This course is designed to expand the students' knowledge and skills for servicing diesel engines and related systems.	09	12
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	570046	Diesel Suspension & Steering	A one-credit course designed to provide students with a working knowledge of diesel suspension and steering systems.	09	12
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	580001	JAG - 7th Grade	A middle level course designed for students participating in Grade 7 Jobs for America's Graduates national curriculum.	07	07
2020-2021	580002	JAG - 8th Grade	A middle level course designed for students participating in Grade 8 Jobs for America's Graduates national curriculum.	08	08
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	600301	Transition Services	This course is designed to teach 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. This course meets the requirement for the Essentials Pathway. Teachers for this course do not have to meet the highly qualified teacher status.	07	12
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	600330	Reading, Basic Skills	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	12
2020-2021	600331	English Language Arts, Basic Skills	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	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	600332	Mathematics, Basic Skills	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	12
2020-2021	600333	Science, Basic Skills	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	12
2020-2021	600334	Social Studies, Basic Skills	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	12
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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.	OK	OK
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	600503	AAS: Health	This code applies to students with significant cognitive disabilities enrolled in a 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
2020-2021	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
2020-2021	600507	AAS: Life Skills	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	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	600512	AAS: Career Preparedness	This code applies to students with significant cognitive disabilities enrolled in a 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	12
2020-2021	600516	AAS: Pre-Vocational	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	12
2020-2021	600525	AAS: Vocational	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	12
2020-2021	600535	AAS: Community-Based Instruction	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	12
2020-2021	600549	AAS: Elective	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	12

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2020-2021	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
2020-2021	650202	AAS: Reading Beyond	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
2020-2021	650602	AAS:Mathematics Beyond	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
2020-2021	651112	AAS:Community-Based Instruction Beyond	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
2020-2021	651612	AAS: Life Skills Beyond	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

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2020-2021	653205	AAS: Vocational Beyond	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
2020-2021	654207	AAS: Elective Beyond	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	700017	Algebraic 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 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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	700043	Essentials Career Preparation	This course is designed to prepare high school students for work-based experiences. 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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	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
2020-2021	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
2020-2021	801101	Conduct, Grades PK-6 (No Credit)	Complying with the school Code of Conduct and classroom rules, procedures, and regulations.	PK	06
2020-2021	801102	Lunch, Grades PK-6	Time allocated for lunch.	PK	06
2020-2021	801103	Social/Developmental Skills, Grades PK-6 (No Credit)	Acquisition of social and behavioral skills.	PK	06
2020-2021	801104	Study Hall, Grades PK-6	Supervised independent study.	PK	06
2020-2021	801105	Orientation, Grades PK-6	Introduction to school/classroom policies, procedures, and culture.	PK	06
2020-2021	801106	Student Aide, Grades PK-6 (No Credit)	Supervised student assistance, e.g., Teacher Aide, Office Aide, Lab Assistant.	PK	06
2020-2021	801107	Peer Helper, Grades PK-6 (No Credit)	Supervised tutoring services offered by students.	PK	06
2020-2021	801108	Extracurricular, Grades PK-6 (No Credit)	Non-academic, supervised activity, e.g., dance team, marching band, cheerleading, competitive athletic teams.	PK	06
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	801200	Enrichment, Grades PK-6	Enhanced learning activities.	PK	06
2020-2021	801201	Conduct, Grades PK-6 (Credit)	Complying with the school Code of Conduct and classroom rules, procedures, and regulations.	PK	06
2020-2021	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
2020-2021	801203	Social/Developmental Skills, Grades PK-6 (Credit)	Acquisition of social and behavioral skills.	PK	06

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2020-2021	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
2020-2021	801205	Transferred Elective, Grades PK-6	Code for any elective course of transfer student for which no state code is listed.	PK	06
2020-2021	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
2020-2021	801207	Peer Helper, Grades PK-6 (Credit)	Supervised tutoring services offered by students who have completed training in peer tutoring strategies.	PK	06
2020-2021	801208	Extracurricular, Grades PK-6 (Credit)	Non-academic, supervised activity, e.g., dance team, marching band, cheerleading, competitive athletic teams.	PK	06
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	802101	Conduct, Grades 6-12 (No Credit)	Complying with the school Code of Conduct and classroom rules, procedures, and regulations.	06	12
2020-2021	802102	Lunch, Grades 6-12	Time allocated for lunch.	06	12
2020-2021	802103	Social/Developmental Skills, Grades 6-12 (No Credit)	Acquisition of social and behavioral skills.	06	12
2020-2021	802104	Study Hall, Grades 6-12	Supervised independent study.	06	12
2020-2021	802105	Orientation, Grades 6-12	Introduction to school/classroom policies, procedures, and culture.	06	12
2020-2021	802106	Student Aide, Grades 6-12 (No Credit)	Supervised student assistance, e.g., Teacher Aide, Office Aide, Lab Assistant.	06	12
2020-2021	802107	Peer Helper, Grades 6-12 (No Credit)	Supervised tutoring services offered by students.	06	12
2020-2021	802108	Extracurricular, Grades 6-12 (No Credit)	Non-academic, supervised activity, e.g., dance team, marching band, cheerleading, competitive athletic teams.	06	12
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	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

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2020-2021	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
2020-2021	802200	Enrichment, Grades 6-12	Enhanced learning activities.	06	12
2020-2021	802201	Conduct, Grades 6-12 (Credit)	Complying with the school Code of Conduct and classroom rules, procedures, and regulations.	06	12
2020-2021	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
2020-2021	802203	Social/Developmental Skills, Grades 6-12 (Credit)	Acquisition of social and behavioral skills.	06	12
2020-2021	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
2020-2021	802205	Transferred Elective, Grades 6-12	Code for any elective course of transfer student for which no state code is listed.	06	12
2020-2021	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
2020-2021	802207	Peer Helper, Grades 6-12 (Credit)	Supervised tutoring services offered by students who have completed training in peer tutoring strategies.	06	12
2020-2021	802208	Extracurricular, Grades 6-12 (Credit)	Non-academic, supervised activity, e.g., dance team, marching band, cheerleading, competitive athletic teams.	06	12
2020-2021	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
2020-2021	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
2020-2021	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
2020-2021	900000	COLLEGE ACCOUNTING	This course introduces basic accounting principles for a sole proprietorship. Topics include the complete accounting cycle with end-of-period statements, bank reconciliation, payrolls, and petty cash. Upon completion, students should be able to demonstrate an understanding of accounting principles and apply those skills to a business organization. PREREQUISITE: As required by program.	10	12
2020-2021	900001	INDIVIDUAL INCOME TAXES	This course introduces the relevant laws governing individual income taxation. Emphasis is placed on filing status, exemptions for dependents, gross income, adjustments, deductions, and computation of tax. Upon completion, students should be able to complete various tax forms pertaining to the topics covered in the course. PREREQUISITE: As required by program.	10	12

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2020-2021	900002	PAYROLL ACCOUNTING	This course covers federal and state laws pertaining to wages, payroll taxes, payroll tax forms, and journal and general ledger transactions. Emphasis is placed on computing wages; preparing appropriate payroll tax forms; and journalizing/posting transactions. Upon completion, students should be able to analyze data, make appropriate computations, complete forms, and prepare accounting entries. PREREQUISITE: ACC 115 or ACC 244.	10	12
2020-2021	900003	INTRODUCTION TO ACCOUNTING SPREADSHEETS	This course provides a working knowledge of computer spreadsheets and their use in accounting. Topics include pre-programmed problems, model-building problems, beginning-level macros, graphics, and what-if analysis enhancements of template problems. Upon completion, students should be able to use a computer spreadsheet to complete many of the tasks required in accounting. PREREQUISITE: ACC 115 or ACC 241.	10	12
2020-2021	900400	INTRODUCTION TO ANTHROPOLOGY	This course is a survey of physical, social, and cultural development and behavior of human beings. PREREQUISITE: As required by program.	10	12
2020-2021	900402	CULTURAL ANTHROPOLOGY	This course is the application of the concept of culture to study of both primitive and modern society. PREREQUISITE: ANT 200.	10	12
2020-2021	900600	ART APPRECIATION	This course is designed to help the student find personal meaning in works of art and develop a better understanding of the nature and validity of art. Emphasis is on the diversity of form and content in original art work. Upon completion, students should understand the fundamentals of art, the materials used and have a basic overview of the history of art. PREREQUISITE: As required by college.	10	12
2020-2021	900601	ART WORKSHOP I	The course provides an art experience for both non-art and art majors who are interested in a variety of art projects concerned with community or college related activities. Emphasis is placed on the organization of ideas in advancing their creative process. Upon completion, students should be able to present visual evidence of the activities involved and explain how the experience advanced their artistic skills. PREREQUISITE: As required by college.	10	12
2020-2021	900603	INTRODUCTION TO ART I	This course is designed as an introduction to the basic fundamentals of art. Emphasis is placed on personal expression and an understanding of the various art media. Upon completion, students should be able to express creative ideas visually and become more aware of media and how it effects communication. PREREQUISITE: As required by college.	10	12
2020-2021	900604	INTRODUCTION TO ART II	This course provides the opportunity for students to work with media problems beyond Introduction to Art I. Emphasis is placed on personal expression and an understanding of various art materials and techniques. Upon completion, students should improve their ability to express creative ideas visually. PREREQUISITE: ART 103.	10	12
2020-2021	900606	DRAWING I	This course provides the opportunity to develop perceptual and technical skills in a variety of media. Emphasis is placed on communication through experimenting with composition, subject matter and technique. Upon completion, students should demonstrate and apply the fundamentals of art to various creative drawing projects. PREREQUISITE: As required by college.	10	12

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2020-2021	900612	CERAMICS I	This course introduces methods of clay forming as a means of expression. Topics may include hand building, wheel throwing, glazing, construction, design, and the functional and aesthetic aspects of pottery. Upon completion, students should demonstrate through their work, a knowledge of the methods, as well as an understanding of the craftsmanship and aesthetics involved in ceramics. REREQUISITE: As required by college.	10	12
2020-2021	900621	INTRODUCTION TO GRAPHIC DESIGN	This course is a general introduction to graphic design. Topics include history, processes, and production design. Upon completion, students should understand the concepts used to create media graphics. PREREQUISITE: As required by college.	10	12
2020-2021	900622	PHOTOGRAPHY FILM AND MEDIA I	These course is composed of creative problems in darkroom techniques, laboratory techniques, and special effects. Emphasis is on creative self expression within a photographic environment. Students will demonstrate competencies in communicating through photography, film and media. PREREQUISITE: ART 173 or ART 174.	10	12
2020-2021	900625	ART HISTORY I	This course covers the chronological development of different forms of art, such as sculpture, painting, and architecture. Emphasis is placed on history from the ancient period through the Renaissance. Upon completion, students should be able to communicate a knowledge of time period and chronological sequence including a knowledge of themes, styles and of the impact of society on the arts. PREREQUISITE: As required by college.	10	12
2020-2021	900626	ART HISTORY II	This course covers a study of the chronological development of different forms of art, such as sculpture, painting and architecture. Emphasis is placed on history from the Baroque to the present. Upon completion, students should be able to communicate a knowledge of time period and chronological sequence including a knowledge of themes, styles and of the impact of society on the arts. PREREQUISITE: As required by college.	10	12
2020-2021	900634	PAINTING I	This course is designed to introduce the student to fundamental painting processes and materials. Topics include art fundamentals, color theory, and composition. Upon completion, students should be able to demonstrate the fundamentals of art and discuss various approaches to the media and the creative processes associated with painting. PREREQUISITE: ART 113, ART 121, and/or as required by college.	10	12
2020-2021	900640	GRAPHIC DESIGN I	This course is designed to introduce the study of visual communication through design. Emphasis is placed on the application of design principles to projects involving such skills as illustration, layout, typography and production technology. Upon completion, students should demonstrate a knowledge of the fundamentals of art and understanding of the relationship between materials, tools and visual communication. PREREQUISITE: As required by college.	10	12
2020-2021	900641	GRAPHIC DESIGN II	This course further explores the art of visual communication through design. Emphasis is placed on the application of design principles to projects involving such skills as illustration, layout, typography and production technology. Upon completion, students should be able to apply the knowledge of the fundamentals of art, material and tools to the communication of ideas. PREREQUISITE: ART 253.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	901001	INTRODUCTION TO ASTRONOMY	This course covers the history of astronomy and the development of astronomical thought leading to the birth of modern astronomy and its most recent development. Emphasis is placed on the coverage of astronomical instruments and measuring technologies, the solar system, the Milky Way galaxy, important extra galactic objects and cosmology. Laboratory is required. PREREQUISITE: As required by program.	10	12
2020-2021	901400	INTRODUCTION TO BIOLOGY I	Introduction to Biology I is the first of a two-course sequence designed for non-science majors. It covers historical studies illustrating the scientific method, cellular structure, bioenergetics, cell reproduction, Mendelian and molecular genetics, and a survey of human organ systems. A 120 minute laboratory is required. PREREQUISITE: As required by program.	10	12
2020-2021	901401	INTRODUCTION TO BIOLOGY II	Introduction to Biology II is the second of a two-course sequence for non-science majors. It covers evolutionary principles and relationships, environmental and ecological topics, classification, and a survey of biodiversity. A 120 minute laboratory is required. PREREQUISITE: BIO 101.	10	12
2020-2021	901402	PRINCIPLES OF BIOLOGY I	This is an introductory course for science and non-science majors. It covers physical, chemical, and biological principles common to all organisms. These principles are explained through a study of cell structure and function, cellular reproduction, basic biochemistry, cell energetics, the process of photosynthesis, and Mendelian and molecular genetics. Also included are the scientific method, basic principles of evolution, and an overview of the diversity of life with emphasis on viruses, prokaryotes, and protist. A 120 minute laboratory is required. PREREQUISITE: As required by program.	10	12
2020-2021	901403	PRINCIPLES OF BIOLOGY II	This course is an introduction to the basic ecological and evolutionary relationships of plants and animals and a survey of plant and animal diversity including classification, morphology, physiology, and reproduction. A 180 minute laboratory is required. CORE PREREQUISITE: BIO 103.	10	12
2020-2021	901406	BIOLOGY OF HUMAN CONCERN	This course is designed to give the non-science major an understanding of humans as biological organisms and as members of ecosystems. Emphasis is placed on biological implications of man's activities. Laboratory is required. PREREQUISITE: As required by program.	10	12
2020-2021	901410	MEDICAL TERMINOLOGY	This course is a survey of words, terms, and descriptions commonly used in medical arts. Emphasis is placed on spelling, pronunciation, and meanings of prefixes, suffixes, and roots. No laboratory is required. PREREQUISITE: As required by program.	10	12
2020-2021	901415	HUMAN ANATOMY & PHYSIOLOGY I	Human Anatomy and Physiology I covers the structure and function of the human body. Included is an orientation of the human body, basic principles of chemistry, a study of cells and tissues, metabolism, joints, the integumentary, skeletal, muscular, and nervous systems , and the senses. Dissection, histological studies, and physiology are featured in the laboratory experience. A 120 minute laboratory is required. PREREQUISITE: BIO 103.	10	12

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2020-2021	901416	HUMAN ANATOMY & PHYSIOLOGY II	Human Anatomy and Physiology II covers the structure and function of the human body. Included is a study of basic nutrition, basic principles of water, electrolyte, and acid-base balance, the endocrine, respiratory, digestive, excretory, cardiovascular, lymphatic, and reproductive systems. Dissection, histological studies, and physiology are featured in the laboratory experience. A 120 minute laboratory is required. PREREQUISITE: BIO 103 and BIO 201.	10	12
2020-2021	901418	HUMAN ANATOMY	This course covers the basic structure and function of the human body. Emphasis is placed on the structure of the organ systems, cells, and tissues. Mammalian dissection and histological studies are featured in the required laboratory. PREREQUISITE: BIO 103.	10	12
2020-2021	901422	GENERAL MICROBIOLOGY	This course includes historical perspectives, cell structure and function, microbial genetics, infectious diseases, immunology, distribution, physiology, culture, identification, classification, and disease control of microorganisms. The laboratory experience includes micro-techniques, distribution, culture, identification, and control. Two 120 minute laboratories are required. PREREQUISITE: BIO 103 (RECOMMENDED: 4 Semester Hours of Chemistry).	10	12
2020-2021	901807	PRINCIPLES OF ACCOUNTING I	This course is designed to provide a basic theory of accounting principles and practices used by service and merchandising enterprises. Emphasis is placed on financial accounting, including the accounting cycle, and financial statement preparation analysis. PREREQUISITE: As required by program.	10	12
2020-2021	901808	PRINCIPLES OF ACCOUNTING II	This course is a continuation of BUS 241. In addition to a study of financial accounting, this course also places emphasis upon managerial accounting, with coverage of corporations, statement analysis introductory cost accounting, and use of information for planning, control, and decision making. PREREQUISITE: BUS 241.	10	12
2020-2021	901809	MANAGERIAL ACCOUNTING	This course is designed to familiarize the student with management concepts and techniques of industrial accounting procedures. Emphasis is placed on cost behavior, contribution approach to decision-making, budgeting, overhead analysis, cost-volume-profit analysis, and cost accounting systems. PREREQUISITE: As required by program.	10	12
2020-2021	901812	THE LEGAL AND SOCIAL ENVIRONMENT OF BUSINESS	This course provides an overview of the legal and social environment for business operations with emphasis on contemporary issues and their subsequent impact on business. Topics include the Constitution, the Bill of Rights, the legislative process, civil and criminal law, administrative agencies, trade regulations, consumer protection, contracts, employment and personal property. PREREQUISITE: As required by program.	10	12
2020-2021	901813	BUSINESS STATISTICS I	This is an introductory study of basic statistical concepts applied to economic and business problems. Topics include the collection, classification, and presentation of data, statistical description and analysis of data, measures of central tendency and dispersion, elementary probability, sampling, estimation and introduction to hypothesis testing. PREREQUISITE: Two years of high school Algebra, Intermediate Algebra, or appropriate score on Math Placement Test.	10	12

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2020-2021	901814	BUSINESS STATISTICS II	This course is a continuation of BUS 271. Topics include sampling theory, statistical interference, regression and correlation, chi square, analysis of variance, time series index numbers, and decision theory. PREREQUISITE: BUS 271.	10	12
2020-2021	901815	PRINCIPLES OF MANAGEMENT	This course provides a basic study of the principles of management. Topics include planning, organizing, staffing, directing, and controlling with emphasis on practical business applications. PREREQUISITE: As required by program.	10	12
2020-2021	901817	PRINCIPLES OF MARKETING	This course provides a general overview of the field of marketing. Topics include marketing strategies, channels of distribution, marketing research, and consumer behavior. PREREQUISITE: As required by program.	10	12
2020-2021	901818	INTRODUCTION TO BUSINESS	This is a survey course designed to acquaint the student with American business as a dynamic process in a global setting. Topics include the private enterprise system, forms of business ownership, marketing, factors of production, personnel, labor, finance, and taxation. PREREQUISITE: As required by program.	10	12
2020-2021	901820	PERSONAL FINANCE	This course is a survey of topics of interest to the consumer. Topics include budgeting, financial institutions, basic income tax, credit, consumer protection, insurance, house purchase, retirement planning, estate planning, investing, and consumer purchases. PREREQUISITE: As required by program.	10	12
2020-2021	901821	INTRODUCTION TO FINANCE	This course is a survey of monetary and credit systems. Topics include the role of the Federal Reserve System, sources of capital, including forms of long-term corporate financing, and consumer credit in the financial structure of our economy. PREREQUISITE: As required by program.	10	12
2020-2021	901822	BUSINESS MATH	This course is a study of practical business mathematics. Topics include fundamental processes of arithmetic with emphasis on decimals and percentages, markup, discounts, bank reconciliation, simple and compound interest discounting notes, depreciation methods, and present value. PREREQUISITE: As required by program.	10	12
2020-2021	901828	ELEMENTS OF SUPERVISION	This course is an introduction to the fundamentals of supervision. Topics include the functions of management, responsibilities of the supervisor, management-employee relations, organizational structure, project management, and employee training and rating. PREREQUISITE: As required by program.	10	12
2020-2021	901830	HUMAN RELATIONSHIPS	This course enables employees to better understand actions and motivations within the organizational structure. Topics include general principles of human behavior operating in the workplace. PREREQUISITE: As required by program.	10	12
2020-2021	901839	BUSINESS COMMUNICATION	This course covers written, oral and nonverbal communications. Topics include the application of communication principles to the production of clear, correct, and logically organized faxes, e-mail, memos, letters, resumes, reports, and other business communications. PREREQUISITE: As required by program.	10	12

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2020-2021	902000	INTRODUCTION TO INORGANIC CHEMISTRY	This is a survey course of general chemistry for students who do not intend to major in science or engineering and may not be substituted for CHM 111. Lecture will emphasize the facts, principles, and theories of general chemistry including math operations, matter and energy, atomic structure, symbols and formulas, nomenclature, the periodic table, bonding concepts, equations, reactions, stoichiometry, gas laws, phases of matter, solutions, pH, and equilibrium reactions. Laboratory is required. PREREQUISITE: MTH 092 (Developmental Algebra II) or equivalent math placement score.	10	12
2020-2021	902001	INTRODUCTION TO ORGANIC CHEMISTRY	This is a survey course of organic chemistry and biochemistry for students who do not intend to major in science or engineering. Topics will include basic nomenclature, classification of organic compounds, typical organic reactions, reactions involved in life processes, function of biomolecules, and the handling and disposal of organic compounds. Laboratory is required. PREREQUISITE: CHM 104 (Introduction to Inorganic Chemistry) or CHM 111 (College Chemistry I)	10	12
2020-2021	902003	INTRODUCTORY CHEMISTRY FOR NON-MAJORS I	Three lectures and one three-hour laboratory. This is a survey course to teach basic scientific literacy and chemical principles. Includes environmental chemistry, household chemicals, and other subjects pertinent to non-majors. Not open to students that have earned credits in CHM 104 or CHM 111. PREREQUISITE or CO-REQUISITE: MTH 100.	10	12
2020-2021	902004	INTRODUCTORY CHEMISTRY FOR NON-MAJORS II	Three lectures and one three-hour laboratory. This is a survey course to teach basic scientific literacy and chemical principles. Includes environmental chemistry, household chemicals, nutrition, genetic engineering, and other subjects pertinent to non-majors. Not open to students that have earned credits in CHM 105 or CHM 112. PREREQUISITE: CHM 109	10	12
2020-2021	902005	COLLEGE CHEMISTRY I	This is the first course in a two-semester sequence designed for the science or engineering major who is expected to have a strong background in mathematics. Topics in this course include measurement, nomenclature, stoichiometry, atomic structure, equations and reactions, basic concepts of thermochemistry, chemical and physical properties, bonding, molecular structure, gas laws, kinetic-molecular theory, condensed matter, solutions, colloids, and some descriptive chemistry topics. Laboratory is required. PREREQUISITE or CO-REQUISITE: MTH 112 (Precalculus Algebra) or equivalent math placement score.	10	12
2020-2021	902006	COLLEGE CHEMISTRY II	This is the second course in a two-semester sequence designed primarily for the science and engineering student who is expected to have a strong background in mathematics. Topics in this course include chemical kinetics, chemical equilibria, acids and bases, ionic equilibria of weak electrolytes, solubility product principle, chemical thermodynamics, electrochemistry, oxidation-reduction, nuclear chemistry, an introduction to organic chemistry and biochemistry, atmospheric chemistry, and selected topics in descriptive chemistry including the metals, nonmetals, semi-metals, coordination compounds, transition compounds, and post-transition compounds. Laboratory is required. PREREQUISITE: CHM 111 (College Chemistry I) and MTH 112 (Precalculus Algebra)	10	12

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2020-2021	902200	INTRODUCTION TO CRIMINAL JUSTICE	This course surveys the entire criminal justice process from law enforcement to the administration of justice through corrections. It discusses the history and philosophy of the system and introduces various career opportunities. PREREQUISITE: As required by program.	10	12
2020-2021	902201	INTRODUCTION TO LAW ENFORCEMENT	This course examines the history and philosophy of law enforcement, as well as the organization and jurisdiction of local, state, and federal agencies. It includes the duties and functions of law enforcement officers. PREREQUISITE: As required by program.	10	12
2020-2021	902222	INTRODUCTION TO CRIMINOLOGY	This course delves into the nature and extent of crime in the United States, as well as criminal delinquent behavior and theories of causation. This study includes criminal personalities, principles of prevention, control, and treatment. PREREQUISITE: As required by program.	10	12
2020-2021	902229	CRIMINAL INVESTIGATION	This course explores the theory and scope of criminal investigation. The duties and responsibilities of the investigator are included. The techniques and strategies used in investigation are emphasized. PREREQUISITE: As required by program.	10	12
2020-2021	902408	FITNESS DANCE I	This course uses dance activity to increase a student's level of physical fitness. Flexibility exercises and body toning/sculpting exercises, which have been specially designed to develop the dancer's body, will be used in class. PREREQUISITE: As required by program.	10	12
2020-2021	902411	BALLET TECHNIQUE I	Intensive training in classical ballet for students intending to major in dance. Intermediate level technique is studied, emphasizing posture and placement. Students are evaluated on their ability to perform the work to the required standard. PREREQUISITE: As required by program.	10	12
2020-2021	902412	BALLET TECHNIQUE II	A continuation of DNC 143. PREREQUISITE: As required by program.	10	12
2020-2021	902422	BALLET TECHNIQUE III	Ballet technique at advanced level emphasizing performance quality, musicality, and classical style. PREREQUISITE: As required by program.	10	12
2020-2021	902423	BALLET TECHNIQUE IV	A continuation of DNC 243. PREREQUISITE: As required by program.	10	12
2020-2021	902600	PRINCIPLES OF MACROECONOMICS	This course is an introduction to macroeconomic theory, analysis, and policy applications. Topics include the following: scarcity, demand and supply, national income analysis, major economic theories concerning monetary and fiscal policies as stabilization measures, the banking system, and other economic issues or problems including international trade. PREREQUISITE: As required by program.	10	12
2020-2021	902601	PRINCIPLES OF MICROECONOMICS	This course is an introduction of the microeconomic theory, analysis, and applications. Topics include scarcity; the theories of consumer behavior, production and cost, markets, output and resource pricing, and international aspects of microeconomics. PREREQUISITE: As required by program.	10	12

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2020-2021	903001	ENGINEERING FOUNDATIONS	This course introduces students to engineering as a profession, basic engineering skills, and the design process. The course includes components to develop teaming and oral and written communication skills. The course also provides an introduction to computer tools used by engineers (e.g., spreadsheet, word processing, presentation software, Internet). COREQUISITE: MTH 113 OR MTH 115As required by program.	10	12
2020-2021	903002	MODERN GRAPHICS FOR ENGINEERS	This course provides an introduction to manual and computer-assisted techniques of graphic communication employed by professional engineers. Topics include: lettering; instrumental and computer-aided drafting; technical sketching; orthographic projection; pictorial, sectional, and auxiliary views; and dimensioning. PREREQUISITE: As required by program.	10	12
2020-2021	903201	ENGLISH COMPOSITION I	English Composition I provides instruction and practice in the writing of at least six (6) extended compositions and the development of analytical and critical reading skills and basic reference and documentation skills in the composition process. English Composition I may include instruction and practice in library usage. PREREQUISITE: Successful completion of ENG 093; or a score of 42 or better on the English section of ASSET; or a score of 20 or better on the ACT (or equivalent SAT score).	10	12
2020-2021	903202	ENGLISH COMPOSITION II	English Composition II provides instruction and practice in the writing of six (6) formal, analytical essays, at least one of which is a research project using outside sources and/or references effectively and legally. Additionally, English Composition II provides instruction in the development of analytical and critical reading skills in the composition process. English Composition II may include instruction and practice in library usage. PREREQUISITE: A grade of "C" or better in ENG 101 or the equivalent.	10	12
2020-2021	903203	AMERICAN LITERATURE I	This course is a survey of American literature from its inception to the middle of the nineteenth century. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. PREREQUISITE: ENG 102 or equivalent.	10	12
2020-2021	903204	AMERICAN LITERATURE II	This course is a survey of American literature from the middle of the nineteenth century to the present. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. PREREQUISITE: ENG 102 or equivalent.	10	12

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2020-2021	903205	ENGLISH LITERATURE I	This course is a survey of English literature from its the Anglo-Saxon period to the Romantic Age. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. PREREQUISITE: ENG 102 or equivalent.	10	12
2020-2021	903206	ENGLISH LITERATURE II	This course is a survey of English literature from the Romantic Age to the present. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. PREREQUISITE: ENG 102 or equivalent.	10	12
2020-2021	903207	WORLD LITERATURE I	This course is a study of selected literary masterpieces from Homer to the Renaissance. Emphasis is placed on major representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. PREREQUISITE: ENG 102 or equivalent.	10	12
2020-2021	903208	WORLD LITERATURE II	This course is a study of selected literary masterpieces from the Renaissance to the present. Emphasis is placed on major representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. PREREQUISITE: ENG 102 or equivalent.	10	12
2020-2021	903225	AFRICAN AMERICAN LITERATURE	This course is a study of literature produced by representative African Americans from the eighteenth century to the present. The course emphasizes the diversity of themes and techniques found in these works and examines the historical, cultural, literary, and philosophical forces that shaped these works and that are reflected in them. Students will demonstrate the ability to interpret the literature and to relate the works to their historical and literary contexts. PREREQUISITE: ENG 102 or the equivalent.	10	12

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2020-2021	903226	SPECIAL TOPICS IN LANGUAGE AND LITERATURE	This course, which may be repeated for credit so long as the topics differ, permits a student to study with an instructor a topic in English language or in literature. Emphasis is placed on a narrowly focused topic in which the instructor has special expertise, knowledge, or interest. Students will demonstrate through a research paper and/or a literary critique an understanding of the topic. PREREQUISITE: As required by program.	10	12
2020-2021	903600	INTRODUCTORY FRENCH I	This course provides an introduction to French. Topics include the development of basic communication skills and the acquisition of basic knowledge of the cultures of French-speaking areas. PREREQUISITE: As required by program.	10	12
2020-2021	903601	INTRODUCTORY FRENCH II	This continuation course includes the development of basic communication skills and the acquisition of basic knowledge of the cultures of French-speaking areas PREREQUISITE: FRN 101 or Equivalent.	10	12
2020-2021	903602	INTERMEDIATE FRENCH I	This course includes a review and further development of communication skills. Topics include readings of literary, historical, and/or cultural texts. PREREQUISITE: FRN 102 or Equivalent.	10	12
2020-2021	903603	INTERMEDIATE FRENCH II	This continuation course includes a review and further development of communication skills. Topics include reading s of literary, historical, and/or cultural texts. PREREQUISITE: FRN 201 or Equivalent.	10	12
2020-2021	903807	INTRODUCTION TO FIRE PREVENTION/EDUCATION	This course is an introduction to the history and philosophy of fire prevention and the need for fire prevention education. Course includes fire prevention functions, development, and enforcement of fire prevention codes and regulations. It also includes the design and implementation of age appropriate education materials and benefits of community relations, support, and programs. PREREQUISITE: As required by program.	10	12
2020-2021	903808	HAZARD AWARENESS	This course includes the basic awareness of characteristics and behavior of solids, liquids, and gases when involved in fire. Emphasis is placed on characteristics, storage, and handling of various materials. PREREQUISITE: As required by program.	10	12
2020-2021	903809	HAZARDOUS MATERIALS AWARENESS AND OPERATIONS	This course is for emergency response personnel who may be first on the scene or a hazardous materials emergency. First responders at the awareness level are expected to recognize the presence of hazardous materials, protect themselves, secure the area, and call for trained personnel. At the operational level, the first responder uses the knowledge gained from the awareness level to act in a defensive posture to protect people, the environment, or property from the effects of an unplanned hazardous materials release. This course meets the requirements of the mandatory Awareness/Operational training in hazardous materials required by Title III - Emergency Planning and Community Right-to-Know Act of 1986 and NFPA 472, Standard on Professional Competence of Responders to Hazardous Materials Incidents current edition. PREREQUISITE: As required by program.	10	12

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2020-2021	903810	FIRE HYDRAULICS AND WATER SUPPLY	This course provides a foundation of theoretical knowledge in order to understand the principles of the use of water and fire protection and to apply hydraulic principles to analyze and resolve water supply problems. PREREQUISITE: As required by program.	10	12
2020-2021	903811	FIRE INSTRUCTOR I	A course that trains participants to teach a class from a prepared lesson plan. This course introduces the student to the concept of utilizing training aids to enhance his/her presentation, how to properly select these training aids, and how to use the training aid selected. Subject areas for this course include: Communication, Concepts of Learning, Methods of Teaching, Organizing the Class, Performance Evaluations, Testing and Evaluations, The Lesson Plan, Teaching Techniques, and the Use of Instructional Materials. The student will give several presentations during the week, all leading to the final fifteen minute graded presentation on the final day of class. PREREQUISITE: As required by program.	10	12
2020-2021	903812	FIRE INSTRUCTOR II	This course provides the Fire Instructor I with the next level of understanding for the training of personnel. This course trains the participants to perform job and task analysis, develop goals and objectives, and develop a lesson plan along with the coordinating training aids, and student tests and evaluation. During the course, the students are divided into groups, each of which is responsible for the development of a lesson plan to be presented to the class on the final day. PREREQUISITE: As required by program.	10	12
2020-2021	903813	FIRE INSTRUCTOR III	This course is intended for the instructor who is ready to assume a leadership role by moving into the upper management level of his/her department. This course consists of subjects designed to give the instructor more knowledge of management and supervision so that he/she can make basic evaluations of employee relations and assume a more proactive role in their department. If you bring your own laptop computer the required soft ware is Microsoft Word and PowerPoint. PREREQUISITE: As required by program.	10	12
2020-2021	903814	FIRE COMBAT TACTICS AND STRATEGY	This course is designed to offer the advanced firefighter or beginning fire officer the necessary information and related techniques to ensure effective fire scene operations. Topics of study include: Pre-fire Planning, Tactical Operations, and Scene Management Techniques. Students are given the opportunity to participate in group activities, discussions, and practical exercises to further enhance the learning experience and reinforce methodology discussed. PREREQUISITE: As required by program.	10	12
2020-2021	903815	TACTICAL CONSIDERATIONS FOR BUILDING CONSTRUCTION	This course includes a detailed study of known hazards of various construction types and tactical and operational considerations for safe fireground/incident operations. Emphasis is placed on firefighter safety and survival. PREREQUISITE: As required by program.	10	12

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2020-2021	903816	RESCUE TECHNICIAN: ROPE	This course in rope rescue techniques includes a classroom review of equipment, knots and rope safety. Instruction events include: establishing need for rope rescue; uses and limitations of equipment; knotcraft ; safety aspects; anchoring systems; rescue rappelling; third man rescue; lowering systems and other aspects of rope rescue. PREREQUISITE: Certified Volunteer Firefighter or Certified Firefighter I or documented proof of Hazardous Materials Awareness & Operational training, Introduction to Technical Rescue, completion of EMT Basic course.	10	12
2020-2021	904000	WORLD REGIONAL GEOGRAPHY	This course surveys various countries and major regions of the world with respect to location and landscape, world importance, political status, population, type of economy, and its external and internal organization problems and potentials. PREREQUISITE: As required by program.	10	12
2020-2021	904001	PRINCIPLES OF PHYSICAL GEOGRAPHY I	Physical Geography I is the first in a two part sequence including topics such as weather and climate relative to the earth and relationships between the earth and sun. Laboratory is required. PREREQUISITE: As required by program.	10	12
2020-2021	904002	PRINCIPLES OF PHYSICAL GEOGRAPHY II	Physical Geography II is the second in a two part sequence including topics such as landforms, landscapes, soil, and vegetation of the earth. Laboratory is required. PREREQUISITE: As required by program.	10	12
2020-2021	904003	PRINCIPLES OF HUMAN GEOGRAPHY	This course surveys the science of location, with emphasis on human activities as it relates to agricultural and industrial activities, and cities as market and production centers. Emphasis will be placed on human networks. PREREQUISITE: GEO 100.	10	12
2020-2021	904200	INTRODUCTION TO GEOLOGY I	Introduction to Geology I is the first in a two part sequence dealing with the structure of the Earth including materials, internal and external processes, deformation, energy, and plate tectonics. Laboratory is required. PREREQUISITE: As required by program.	10	12
2020-2021	904201	INTRODUCTION TO GEOLOGY II	Introduction to Geology II is the second in a two part sequence dealing with a historical perspective of the earth. Topics include items such as Geologic time, Earth's origin, evolution of continents and ocean basins, minerals, energy resources, planetary geology, and mountain building. Laboratory is required. PREREQUISITE: GLY 101 and/or as required by program.	10	12
2020-2021	904600	PRINCIPLES OF NUTRITION	This course introduces students to the principles of nutrition and the role and functions of nutrients in man's food. Basic information concerning food selection and nutrition as a factor in health, ecology, and economy is included. Implications of nutrition for children may be stressed. PREREQUISITE: As required by program.	10	12
2020-2021	904604	INTRODUCTION TO CLOTHING CONSTRUCTION I	This course provides an introduction to basic techniques of clothing construction and the use of modern fabrics. PREREQUISITE: As required by program.	10	12
2020-2021	904615	MANAGEMENT IN FAMILY LIVING	This course covers goals and values in family living, basic principles of decision-making, and management of resources to achieve goals in family life. PREREQUISITE: As required by program.	10	12

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2020-2021	905000	WESTERN CIVILIZATION I	This course is a survey of social, intellectual, economic, and political developments, which have molded the modern western world. This course covers the ancient and medieval periods and concludes in the era of the Renaissance and Reformation. PREREQUISITE: As required by program.	10	12
2020-2021	905001	WESTERN CIVILIZATION II	This course is a continuation of HIS 101; it surveys development of the modern western world from the era of the Renaissance and Reformation to the present. PREREQUISITE: As required by program.	10	12
2020-2021	905002	WORLD HISTORY I	This course surveys social, intellectual, economic, and political developments which have molded the modern world. Focus is on both non-western and western civilizations from the prehistoric to the early modern era. PREREQUISITE: As required by program.	10	12
2020-2021	905003	WORLD HISTORY II	This course is a continuation of HIS 121; it covers world history, both western and non-western, from the early modern era to the present. PREREQUISITE: As required by program.	10	12
2020-2021	905004	UNITED STATES HISTORY I	This course surveys United States history during colonial, Revolutionary, early national and antebellum periods. It concludes with the Civil War and Reconstruction. PREREQUISITE: As required by program.	10	12
2020-2021	905005	UNITED STATES HISTORY II	This course is a continuation of HIS 201; it surveys United States history from the Reconstruction era to the present. PREREQUISITE: As required by program.	10	12
2020-2021	905200	INTRODUCTION TO HUMANITIES I	This is the first course in a two-semester sequence which offers the student an introduction to the humanities using selections from art, music, literature, history, and philosophy which relates to a unifying theme. PREREQUISITE: As required by program.	10	12
2020-2021	905201	INTRODUCTION TO HUMANITIES II	This is the second course in a two-semester sequence which offers the student an introduction to the humanities using selections from art, music, literature, history, and philosophy which relates to a unifying theme. PREREQUISITE: As required by program.	10	12
2020-2021	905202	MANKIND AND HIS ART	This course is an introduction to mankind's search for self-expression revealed in the music, art, and architecture of the western world from ancient times through the present day. PREREQUISITE: As required by program.	10	12
2020-2021	905206	HUMANITIES FORUM	In this course, credit is given for participation in lectures, concerts, and other events which have relevance to the study of the humanities. The course may be repeated for credit. PREREQUISITE: As required by program.	10	12
2020-2021	905600	ETHICS	This course introduces the student to the basic concepts, types and schools of moral theory, and illustrates how these may be applied to contemporary moral problems and ethical questions in academic, professional and social endeavors. PREREQUISITE: As required by program.	10	12
2020-2021	905800	INTRODUCTORY JAPANESE I	This course provides an introduction to Japanese. Topics include the development of basic communication skills and the acquisition of basic knowledge of the cultures of Japanese-speaking areas. PREREQUISITE: As required by program.	10	12

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2020-2021	905801	INTRODUCTORY JAPANESE II	This continuation course includes the development of basic communication skills and the acquisition of basic knowledge of the cultures of Japanese-speaking areas. PREREQUISITE: JAP 101 or Equivalent.	10	12
2020-2021	906000	INTRODUCTORY LATIN	This course provides an introduction to Latin. Topics include the development of basic communication skills and the acquisition of basic knowledge of the Roman cultures. PREREQUISITE: As required by program.	10	12
2020-2021	906001	INTRODUCTORY LATIN II	This continuation course includes the development of basic communication skills and the acquisition of basic knowledge of the cultures of Roman areas. PREREQUISITE: LAT 101 or equivalent.	10	12
2020-2021	906002	INTERMEDIATE LATIN	This course includes a review and further development of communication skills. Topics include readings of literary, historical, and/or cultural texts. PREREQUISITE: LAT 102 or equivalent.	10	12
2020-2021	906003	INTERMEDIATE LATIN II	This continuation course includes a review and further development of communication skills. Topics include readings of literary, historical, and/or cultural texts. PREREQUISITE: LAT 201 or equivalent.	10	12
2020-2021	906600	INTRODUCTION TO MASS COMMUNICATIONS	This course provides the student with general study of mass communications and journalism. This course includes theory, development, regulation, operation, and effects upon society. Upon completion of this class, students should be able to decide the field of mass communications on which to focus. PREREQUISITE: As required by program.	10	12
2020-2021	906608	INTRODUCTION TO JOURNALISM	A first writing course in journalism, this course features journalistic style, copy reading, story types, headlines, typography, and page make-up. PREREQUISITE: As required by program.	10	12
2020-2021	907600	FINITE MATHEMATICS	This course is intended to give an overview of topics in finite mathematics together with their applications, and is taken primarily by students who are not majoring in science, engineering, commerce, or mathematics (i.e., students who are not required to take Calculus). This course will draw on and significantly enhance the student's arithmetic and algebraic skills. The course includes sets, counting, permutations, combinations, basic probability (including Baye's Theorem), and introduction to statistics (including work with Binomial Distributions and Normal Distributions), matrices and their applications to Markov chains and decision theory. Additional topics may include symbolic logic, linear models, linear programming, the simplex method and applications. PREREQUISITE: All core mathematics courses in Alabama must have as a minimum prerequisite high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score. An alternative to this is that the student should successfully pass with a C or higher (S if taken as pass/fail) Intermediate College Algebra.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	907601	PRECALCULUS ALGEBRA	This course emphasizes the algebra of functions - including polynomial, rational, exponential, and logarithmic functions. The course also covers systems of equations and inequalities, quadratic inequalities, and the binomial theorem. Additional topics may include matrices, Cramer's Rule, and mathematical induction. PREREQUISITE: All core mathematics courses in Alabama must have as a minimum prerequisite high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score. An alternative to this is that the student should successfully pass with C or higher (S if taken as pass/fail) Intermediate College Algebra.	10	12
2020-2021	907602	PRECALCULUS TRIGONOMETRY	This course includes the study of trigonometric (circular functions) and inverse trigonometric functions, and includes extensive work with trigonometric identities and trigonometric equations. The course also covers vectors, complex numbers, DeMoivre's Theorem, and polar coordinates. Additional topics may include conic sections, sequences, and using matrices to solve linear systems. PREREQUISITE: A minimum prerequisite of high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score is required. An alternative to this is that the student should successfully pass with a C or higher (S if taken as pass/fail) MTH 112.	10	12
2020-2021	907603	PRECALCULUS ALGEBRA & TRIGONOMETRY	This course is a one semester combination of Precalculus Algebra and Precalculus Trigonometry intended for superior students. The course covers the following topics: the algebra of functions (including polynomial, rational, exponential, and logarithmic functions), systems of equations and inequalities, quadratic inequalities, and the binomial theorem, as well as the study of trigonometric (circular functions) and inverse trigonometric functions, and includes extensive work with trigonometric identities and trigonometric equations, vectors, complex numbers, DeMoivre's Theorem, and polar coordinates. PREREQUISITE: A minimum prerequisite of high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score is required. An alternative to this is that the student should successfully pass with a C or higher (S if taken as pass/fail) MTH 100 and receive permission from the department chairperson.	10	12
2020-2021	907605	CALCULUS I	This is the first of three courses in the basic calculus sequence taken primarily by students in science, engineering, and mathematics. Topics include the limit of a function; the derivative of algebraic, trigonometric, exponential, and logarithmic functions; and the definite integral and its basic applications to area problems. Applications of the derivative are covered in detail, including approximations of error using differentials, maximum and minimum problems, and curve sketching using calculus. PREREQUISITE: A minimum prerequisite of high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score is required. An alternative to this is that the student should successfully pass with a C or higher MTH 113 or MTH 115.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	907606	CALCULUS II	This is the second of three courses in the basic calculus sequence. Topics include vectors in the plane and in space, lines and planes in space, applications of integration (such as volume, arc length, work and average value), techniques of integration, infinite series, polar coordinates, and parametric equations. PREREQUISITE: A minimum prerequisite of high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score is required. An alternative to this is that the student should successfully pass with a C or higher MTH 125.	10	12
2020-2021	907608	CALCULUS III	This is the third of three courses in the basic calculus sequence. Topics include vector functions, functions of two or more variables, partial derivatives (including applications), quadric surfaces, multiple integration, and vector calculus (including Green's Theorem, Curl and Divergence, surface integrals, and Stokes' Theorem. PREREQUISITE: MTH 126.	10	12
2020-2021	907609	LINEAR ALGEBRA	This course introduces the basic theory of linear equations and matrices, real vector spaces, bases and dimension, linear transformations and matrices, determinants, eigenvalues and eigenvectors, inner product spaces, and the diagonalization of symmetric matrices. Additional topics may include quadratic forms and the use of matrix methods to solve systems of linear differential equations. PREREQUISITE: MTH 126.	10	12
2020-2021	907611	INTERMEDIATE COLLEGE ALGEBRA	This course provides a study of algebraic techniques such as linear equations and inequalities, quadratic equations, systems of equations, and operations with exponents and radicals. Functions and relations are introduced and graphed with special emphasis on linear and quadratic functions. This course does not apply toward the general core requirement for mathematics. PREREQUISITE: MTH 092 or MTH 098 or appropriate mathematics placement score.	10	12
2020-2021	907612	MATH FOR THE ELEMENTARY TEACHER I	This course is designed to provide appropriate insights into mathematics for students majoring in elementary education and to ensure that students going into elementary education are more than proficient at performing basic arithmetic operations. Topics include logic, sets and functions, operations and properties of whole numbers and integers including number theory; use of manipulatives by teachers to demonstrate abstract concepts; and by students while learning these abstract concepts as emphasized in the class. Upon completion, students are required to demonstrate proficiency in each topic studied as well as to learn teaching techniques that are grade level and subject matter appropriate, and test for mathematical proficiency and the learning of teaching concepts. PREREQUISITE: As required by program.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	907613	MATH FOR THE ELEMENTARY TEACHER II	This course is the second of a three-course sequence and is designed to provide appropriate insights into mathematics for students majoring in elementary education and to ensure that students going into elementary education are more proficient at performing basic arithmetic operations. Topics include numeration skills with fractions, decimals and percentages, elementary concepts of probability and statistics, and analytic geometry concepts associated with linear equations and inequalities. The use of manipulatives and calculators in the teaching and learning process is stressed. Upon completion, students will test for mathematical proficiency and the learning of teaching concepts. Students also will demonstrate an appropriate teaching technique by preparing a lesson and teaching it to the class for their final exam grade. PREREQUISITE: MTH 231.	10	12
2020-2021	907614	DISCRETE MATHEMATICS	This course provides an introduction to combinatorics and graph theory. Topics include sets, logic, relations and functions, mathematical induction, algorithmic processes, recurrence relations, counting techniques, asymptotic growth, Boolean algebra, graphs, and network algorithms. COREQUISITE: MTH 126-Calculus II.	10	12
2020-2021	907616	ELEMENTARY STATISTICS	This course provides an introduction to methods of statistics, including the following topics: sampling, frequency distributions, measures of central tendency, graphic representation, reliability, hypothesis testing, confidence intervals, analysis, regression, estimation, and applications. Probability, permutations, combinations, binomial theorem, random variables, and distributions may be included. PREREQUISITE: MTH 100 or appropriate mathematics placement score.	10	12
2020-2021	907617	PROBABILITY AND STATISTICS CONCEPTS	This course provides an examination of the theory and applications of probability and statistics based on topics from calculus. It includes probability, sample spaces, random variables, probability distributions, estimation, confidence intervals, hypothesis testing, experimental analysis, moments and moment-generating functions, and computer-assisted data analysis using appropriate computer software. COREQUISITE: MTH 126-Calculus II.	10	12
2020-2021	907618	MATHEMATICS APPLICATIONS LABORATORY	This course is designed to offer specific mathematics application to students in applied science programs. Individual student needs are determined by Work Keys assessments. Instruction is offered through an open lab/Web-based methods using Plato, WINN or other programs aligned with Work Keys. PREREQUISITE: MTH 100 or MTH 117.	10	12
2020-2021	907619	INTRODUCTION TO TECHNICAL MATHEMATICS	This course is designed for the student in technology needing simple arithmetic, algebraic, and right triangle trigonometric skills. PREREQUISITE: MTH 092 or MTH 098 or appropriate mathematics placement score.	10	12
2020-2021	907621	MATHEMATICAL APPLICATIONS	This course provides practical applications of mathematics and includes selected topics from consumer math and algebra. Some topics included are integers, percent, interest, ratio and proportion, metric system, probability, linear equations, and problem solving. PREREQUISITE: MTH 090 or appropriate mathematics placement score.	10	12

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2020-2021	907629	PRE-CALCULUS TRIGONOMETRY LABORATORY	This course is designed to accompany a Pre-Calculus Trigonometry Course. It provides a laboratory setting in which students receive individualized instruction, work on laboratory exercises and group projects. Emphasis will be on applications of mathematics. COREREQUISITE: Registration in MTH 113 Pre-Calculus Trigonometry.	10	12
2020-2021	907630	PRE-CALCULUS ALGEBRA & TRIGONOMETRY LABORATORY	This course is designed to accompany a Pre-Calculus and Trigonometry Course. It provides a laboratory setting in which students receive individualized instruction, work on laboratory exercises and group projects. Emphasis will be on applications of mathematics. COREREQUISITE: Registration in MTH 115 Pre-Calculus Algebra & Trigonometry.	10	12
2020-2021	907635	CALCULUS III LABORATORY	This course is designed to accompany a Calculus III Course. It provides a laboratory setting in which students receive individualized instruction, work on laboratory exercises and group projects. Emphasis will be on applications of mathematics. COREREQUISITE: Registration in MTH 227 Calculus III.	10	12
2020-2021	907800	CHORUS I	This course provides an opportunity for students to participate in a performing ensemble. Emphasis is placed on rehearsing and performing literature appropriate to the mission and goals of the group. Upon completion, students should be able to effectively participate in performances presented by the ensemble. PREREQUISITE: NONE	10	12
2020-2021	907801	CHORUS II	This course provides an opportunity for students to participate in a performing ensemble. Emphasis is placed on rehearsing and performing literature appropriate to the mission and goals of the group. Upon completion, students should be able to effectively participate in performances presented by the ensemble. PREREQUISITE: NONE	10	12
2020-2021	907802	CHORUS III	This course provides an opportunity for students to participate in a performing ensemble. Emphasis is placed on rehearsing and performing literature appropriate to the mission and goals of the group. Upon completion, students should be able to effectively participate in performances presented by the ensemble. PREREQUISITE: NONE	10	12
2020-2021	907803	CHORUS IV	This course provides an opportunity for students to participate in a performing ensemble. Emphasis is placed on rehearsing and performing literature appropriate to the mission and goals of the group. Upon completion, students should be able to effectively participate in performances presented by the ensemble. PREREQUISITE: NONE	10	12
2020-2021	907804	VOCAL ENSEMBLE I	This course provides an opportunity for students to participate in a performing ensemble. Emphasis is placed on rehearsing and performing literature appropriate to the mission and goals of the group. Upon completion, students should be able to effectively participate in performances presented by the ensemble. PREREQUISITE: NONE	10	12
2020-2021	907805	VOCAL ENSEMBLE II	This course provides an opportunity for students to participate in a performing ensemble. Emphasis is placed on rehearsing and performing literature appropriate to the mission and goals of the group. Upon completion, students should be able to effectively participate in performances presented by the ensemble. PREREQUISITE: NONE	10	12

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2020-2021	907811	JAZZ/SHOW CHOIR I	This course provides an opportunity for students to participate in a performing ensemble. Emphasis is placed on rehearsing and performing literature appropriate to the mission and goals of the group. Upon completion, students should be able to effectively participate in performances presented by the ensemble. PREREQUISITE: NONE	10	12
2020-2021	907832	CLASS PIANO I	Group instruction is available in voice, piano, strings, woodwinds, brass, percussion and fretted instruments for students with little or no previous training. Emphasis is placed on the rudiments of music, basic performance technique and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing and a knowledge of music fundamentals. PREREQUISITE: As required by program.	10	12
2020-2021	908200	MUSIC APPRECIATION	This course is designed for non-music majors and requires no previous musical experience. It is a survey course that incorporates several modes of instruction including lecture, guided listening, and similar experiences involving music. The course will cover a minimum of three (3) stylistic periods, provide a multi-cultural perspective, and include both vocal and instrumental genres. Upon completion, students should be able to demonstrate a knowledge of music fundamentals, the aesthetic/stylistic characteristics of historical periods, and an aural perception of style and structure in music. PREREQUISITE: As required by program.	10	12
2020-2021	908201	MUSIC THEORY I	This course introduces the student to the diatonic harmonic practices in the Common Practice Period. Topics include fundamental musical materials (rhythm, pitch, scales, intervals, diatonic harmonies) and an introduction to the principles of voice leading and harmonic progression. Upon completion, students should be able to demonstrate a basic competency using diatonic harmony through analysis, writing, sight singing, dictation and keyboard skills. PREREQUISITE: MUS 110 or suitable placement score or permission of the instructor. (COREQUISITE: MUS 113, if ear training lab is a separate course.)	10	12
2020-2021	908202	MUSIC THEORY II	This course completes the study of diatonic harmonic practices in the Common Practice Period and introduces simple musical forms. Topics include principles of voice leading used in three- and four-part triadic harmony and diatonic seventh chords, non-chord tones, cadences, phrases and periods. Upon completion, students should be able to demonstrate competence using diatonic harmony through analysis, writing, sight singing, dictation and keyboard skills. PREREQUISITE: MUS 111 (COREQUISITE: MUS 114, if ear training lab is a separate course.)	10	12

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2020-2021	908203	MUSIC THEORY LAB 1	This course provides the practical application of basic musical materials through sight singing; melodic, harmonic and rhythmic dictation; and keyboard harmony. Topics include intervals, simple triads, diatonic stepwise melodies, basic rhythmic patterns in simple and compound meter and four-part triadic progressions in root position. Upon completion, students should be able to write, sing and play intervals, scales, basic rhythmic patterns, diatonic stepwise melodies, simple triads and short four-part progressions in root position. PREREQUISITE: MUS 110 or suitable placement score or permission of the instructor. (COREQUISITE: MUS 111, if ear training lab is a separate course.)	10	12
2020-2021	908204	MUSIC THEORY LAB II	This course continues the practical application of diatonic musical materials through sight singing; melodic, harmonic and rhythmic dictation; and keyboard harmony. Topics include intervals, scales, diatonic melodies with triadic arpeggiations, more complex rhythmic patterns in simple and compound meter and four-part diatonic progressions in all inversions. Upon completion, students should be able to write, sing and play all intervals, rhythmic patterns employing syncopations and beat divisions, diatonic melodies and four-part diatonic progressions. PREREQUISITE: MUS 113. (COREQUISITE: MUS 112, if ear training lab is a separate course.)	10	12
2020-2021	909400	PHYSICAL SCIENCE	This course provides the non-technical student with an introduction to the basic principles of geology, oceanography, meteorology, and Astronomy. Laboratory is required. PREREQUISITE: As required by program.	10	12
2020-2021	909401	PHYSICAL SCIENCE II	This course provides the non-technical student with an introduction to the basic principle of chemistry and physics. Laboratory is required. PREREQUISITE: As required by program.	10	12
2020-2021	909402	ENVIRONMENTAL SCIENCE	This course is an interdisciplinary course designed to give the non-science major an introductory survey of the environment. The environment will be studied with an emphasis on topics such as air, soil, water, wild life, forestry and solid waste pollution. Laboratory is required and will emphasize field studies and experimentation. PREREQUISITE: As required by program.	10	12
2020-2021	909600	GENERAL PHYSICS I -TRIG BASED	This course is designed to cover general physics at a level that assures previous exposure to college algebra, basic trigonometry. Specific topics include mechanics, properties of matter and energy, thermodynamics, and periodic motion. A laboratory is required. PREREQUISITE: MTH 113 or equivalent.	10	12
2020-2021	909601	GENERAL PHYSICS II-TRIG BASED	This course is designed to cover general physics using college algebra and basic trigonometry. Specific topics include wave motion, sound, light optics, electrostatics, circuits, magnetism, and modern physics. Laboratory is required. PREREQUISITE: PHY 201.	10	12
2020-2021	909602	GENERAL PHYSICS WITH CAL I	This course provides a calculus-based treatment of the principle subdivisions of classical physics: mechanics and energy, including thermodynamics. Laboratory is required. PREREQUISITE: MTH 125 and/or as required by program.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	909603	GENERAL PHYSICS WITH CAL II	This course provides a calculus-based study in classical physics. Topics included are: simple harmonic motion, waves, sound, light, optics, electricity and magnetism. Laboratory is required. PREREQUISITE: PHY 213.	10	12
2020-2021	909607	RECITATION IN PHYSICS I	One hour weekly purely for problem solving. PREREQUISITE: As required by program.	10	12
2020-2021	909608	RECITATION IN PHYSICS II	One hour weekly purely for problem solving. PREREQUISITE: As required by program.	10	12
2020-2021	909609	RECITATION IN PHYSICS	One hour weekly purely for problem solving. PREREQUISITE: As required by program.	10	12
2020-2021	909610	RECITATION IN PHYSICS WITH CAL II	One hour weekly purely for problem solving. PREREQUISITE: As required by program.	10	12
2020-2021	909800	INTRODUCTION TO POLITICAL SCIENCE	This course is an introduction to the field of political science through examination of the fundamental principles, concepts, and methods of the discipline, and the basic political processes and institutions of organized political systems. Topics include approaches to political science, research methodology, the state, government, law, ideology, organized political influences, governmental bureaucracy, problems in political democracy, and international politics. Upon completion, students should be able to identify, describe, define, analyze, and explain relationships among the basic principles and concepts of political science and political processes and institutions of contemporary political systems. PREREQUISITE: As required by program.	10	12
2020-2021	909801	AMERICAN NATIONAL GOVERNMENT	This course surveys the background, constitutional principles, organization, and operation of the American political system. Topics include the U. S. Constitution, federalism, civil liberties, civil rights, political parties, interest groups, political campaigns, voting behavior, elections, the presidency, bureaucracy, Congress, and the justice system. Upon completion, students should be able to identify and explain relationships among the basic elements of American government and function as more informed participants of the American political system. PREREQUISITE: As required by program.	10	12
2020-2021	910200	GENERAL PSYCHOLOGY	This course is a survey of behavior with emphasis upon psychological processes. This course includes the biological bases for behavior, thinking, emotion, motivation, and the nature and development of personality. PREREQUISITE: As required by program.	10	12
2020-2021	910201	HUMAN GROWTH AND DEVELOPMENT	This course is the study of the psychological, social, and physical factors that affect human behavior from conception to death. PREREQUISITE: PSY 200.	10	12
2020-2021	910202	CHILD GROWTH AND DEVELOPMENT	This course is a systematic study of the behavior and psychological development of the child from conception to adolescence. Emphasis will be placed on principles underlying physical, mental, emotional and social development, methods of child study, and practical implications. PREREQUISITE: PSY 200.	10	12
2020-2021	910800	SURVEY OF THE OLD TESTAMENT	This course is an introduction to the content of the Old Testament with emphasis on the historical context and contemporary theological and cultural significance of the Old Testament. The student should have an understanding of the significance of the Old Testament writings upon completion of this course. PREREQUISITE: As required by program.	10	12

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2020-2021	910801	SURVEY OF THE NEW TESTAMENT	This course is a survey of the books of the New Testament with special attention focused on the historical and geographical setting. The student should have an understanding of the books of the New Testament and the cultural and historical events associated with these writings. PREREQUISITE: As required by program.	10	12
2020-2021	910802	HISTORY OF WORLD RELIGIONS	This course is designed to acquaint the student with the beliefs and practices of the major contemporary religions of the world. This includes the religions of Africa, the Orient, and the western world. The student should have an understanding of the history and origins of the various religions in the world. PREREQUISITE: As required by program.	10	12
2020-2021	911400	INTRODUCTION TO SOCIOLOGY	This course is an introduction to the vocabulary, concepts, and theory of sociological perspectives of human behavior. PREREQUISITE: As required by program.	10	12
2020-2021	911401	SOCIAL PROBLEMS	This course examines the social and cultural aspects, influences, incidences and characteristics of current social problems in light of sociological theory and research. PREREQUISITE: SOC 200.	10	12
2020-2021	911403	INTRODUCTION TO CRIMINOLOGY	This course delves into the nature and extent of crime in the United States, as well criminal delinquent behavior and theories of causation. The study includes criminal personalities, principles of prevention, control, and treatment. PREREQUISITE: As required by program.	10	12
2020-2021	911600	INTRODUCTORY SPANISH I	This course provides an introduction to Spanish. Topics include the development of basic communication skills and the acquisition of basic knowledge of the cultures of Spanish-speaking areas. PREREQUISITE: As required by program.	10	12
2020-2021	911601	INTRODUCTORY SPANISH II	This continuation course includes the development of basic communication skills and the acquisition of basic knowledge of the cultures of Spanish-speaking areas. PREREQUISITE: SPA 101 or Equivalent.	10	12
2020-2021	911602	INTERMEDIATE SPANISH I	This course includes a review and further development of communication skills. Topics include readings of literary, historical, and/or cultural texts. This course includes a review and further development of communication skills. Topics include readings of literary, historical, and/or cultural texts. PREREQUISITE: SPA 102 or Equivalent.	10	12
2020-2021	911603	INTERMEDIATE SPANISH II	This continuation course includes a review and further development of communication skills. Topics include readings of literary, historical, and/or cultural texts. PREREQUISITE: SPA 201 or Equivalent.	10	12
2020-2021	911800	FUNDAMENTALS OF ORAL COMMUNICATION	Fundamentals of Oral Communication is a performance course that includes the principles of human communication: intrapersonal, interpersonal, and public. It surveys current communication theory and provides practical application. PREREQUISITE: As required by program.	10	12
2020-2021	911801	FUNDAMENTALS OF PUBLIC SPEAKING	This course explores principles of audience and environment analysis as well as the actual planning, rehearsing and presenting of formal speeches to specific audiences. Historical foundations, communication theories and student performances are emphasized. PREREQUISITE: As required by program.	10	12

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2020-2021	911816	FUNDAMENTALS OF SPEECH COMMUNICATION FOR DAT	This performance course includes the study of the principles of human communication: intrapersonal, interpersonal, and public. It surveys communication theory and provides practical application. NCA. PREREQUISITE: As required by program.	10	12
2020-2021	911817	ORAL COMMUNICATION SKILLS	This course introduces the basic concepts of interpersonal communication and the oral communication skills necessary to interact with co-workers and customers, and to work effectively in teams. Topics include overcoming barriers to effective communication, effective listening, applying the principles of persuasion, utilizing basic dynamics of group discussion, conflict resolution, and positive communication patterns in the business setting. Upon completion, students should be able to demonstrate interpersonal communication skills, apply basic principles of group discussion, develop a businesslike personality, and effectively present themselves before co-workers and the public. NCA SP. PREREQUISITE: As required by program.	10	12
2020-2021	912403	THEATER APPRECIATION	This course is designed to increase appreciation of contemporary theater. Emphasis is given to the theater as an art form through the study of history and theory of drama and the contributions to modern media. Emphasis of playwright, actor, director, designer and technician to modern media. Attendance at theater production may be required. PREREQUISITE: As required by program.	10	12
2020-2021	912404	THEATER TECHNOLOGY SCENERY & LIGHTING	Scenic construction techniques and execution of state lighting via lectures, demonstrations, and practical application. Emphasis in tools, materials, and procedure. PREREQUISITE: As required by program.	10	12
2020-2021	912405	INTRODUCTION TO THEATER	This course is designed to teach the history of the theater and the principles of drama. It also covers the development of theater production and the study of selected plays as theatrical presentations. PREREQUISITE: As required by program.	10	12
2020-2021	912406	ACTING TECHNIQUES I	This is the first of a two-course sequence in which the student will focus on the development of the body and voice as the performing instruments in acting. Emphasis is placed on pantomime, improvisation, acting exercises, and building characterizations in short acting scenes. PREREQUISITE: As required by program.	10	12
2020-2021	912420	THEATER FOR CHILDREN I	This is the first in a two-course sequence which offers the student practical experience in acting, directing, and developing material for children's theater. PREREQUISITE: As required by college.	10	12
2020-2021	920001	NON-STRUCTURAL REPAIR	Students are introduced to basic principles of non-structural panel repairs. Topics include shop safety, identification and use of hand/power tools, panel preparation, sheet metal repairs, and materials.	10	12
2020-2021	920002	NON-STRUCTURAL PANEL REPLACEMENT	Students are introduced to the principles of non-structural panel replacement. Topics include replacement and alignment of bolt on panels, full and partial panel replacement procedures, and attachment methods.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	920003	SURFACE PREPARATION	This course introduces students to methods of surface preparation for vehicular refinishing. Topics include sanding techniques, metal treatment, selection of undercoats, and proper masking procedures.	10	12
2020-2021	920004	PAINT APPLICATION AND EQUIPMENT	This course introduces students to methods of paint application and equipment used for vehicular refinishing. Topics include spray gun and related equipment use, paint mixing, matching, and applying the final topcoat.	10	12
2020-2021	920005	SAFETY AND ENVIRONMENTAL PRACTICES	This course is designed to instruct the student in the safe use of tools, equipment, and appropriate work practices. Topics include OSHA requirements, the right to know laws, EPA regulations as well as state and local laws. This is a CORE course.	10	12
2020-2021	920006	AUTOMOTIVE GLASS AND TRIM	This course is a study of automotive glass and trim. Emphasis is placed on removal and replacement of structural and nonstructural glass and automotive trim. Upon completion, students should be able to remove and replace automotive trim and glass.	10	12
2020-2021	920011	AUTOMOTIVE MECHANICAL COMPONENTS	This course provides instruction in collision related mechanical repairs. Emphasis is placed on diagnosis and repairs to drive train, steering/suspension components, and various other mechanical repairs.	10	12
2020-2021	920012	AUTOMOTIVE ELECTRICAL COMPONENTS	This course provides instruction in collision related electrical repairs and various restraints systems, including seat belts, seat belt tensioners, and airbags. Topics include basic DC theory, types of diagnostic equipment, circuit protection, wire repair, use of wiring diagrams, airbag modules, and impact sensors.	10	12
2020-2021	920013	STEERING AND SUSPENSION	This course introduces students to the various types of suspension and steering systems used in the automotive industry. Emphasis is placed on system components, suspension angles and effect of body/frame alignment on these components and angles.	10	12
2020-2021	920014	HEATING & AC IN COLLISION REPAIR	This course is a study of automotive air conditioning, heating, and cooling systems. Topics include automotive air conditioning, heating and cooling systems theory, component replacement and system service.	10	12
2020-2021	920015	RESTRAINT SYSTEMS	Both the function and design of various restraints and passive restraints systems, including seat belts, seat belt tensioners, and airbags, will be discussed. Topics include airbag modules and impact sensors for both front and side airbag systems. Students learn about using service manuals, flow charts, and wiring diagrams during the diagnosis and repair process.	10	12
2020-2021	920016	PAINT DEFECTS & FINAL REPAIR	This course introduces students to methods of identifying paint defects, causes, cures, and final detailing. Students learn to troubleshoot and correct paint imperfections.	10	12
2020-2021	920017	ALUMINUM WELDING IN COLLISION REPAIR	This course covers the principles and techniques of aluminum GMA (MIG) welding. Students learn to set up and tune a welding machine, address safety issues, perform proper welding techniques, prepare metal surfaces, and identify and correct weld defects.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	920018	SHOP MANAGEMENT	This course introduces the students to the basic principles of body shop management. Emphasis is placed on management structure, customer/insurance company relations, sound business practices, principles of cycle time, and basic collision/damage estimation. Upon completion, students should be able to understand the principles of operating a collision repair facility.	10	12
2020-2021	920201	PRINCIPLES OF REFRIGERATION	This course emphasizes the fundamental principles for air conditioning and refrigeration. Instruction is provided in the theory and principles of refrigeration and heat transfer, HVAC/R system components, common, and specialty tools for HVAC/R, and application of the concepts of basic compression refrigeration. Upon completion, students should identify system components and understand their functions, identify and use common and specialty HVAC/R tools, and maintain components of a basic compression refrigeration system.	10	12
2020-2021	920202	HVACR SERVICE PROCEDURES	This course covers system performance checks and refrigerant cycle diagnosis. Emphasis is placed on the use of refrigerant recovery/recycle units, industry codes, refrigerant coils and correct methods of charging and recovering refrigerants. Upon completion, students should be able to properly recover/recycle refrigerants and demonstrate safe, correct service procedures which comply with the no-venting laws.	10	12
2020-2021	920203	REFRIGERATION PIPING PRACTICES	The course introduces students to the proper installation procedures of refrigerant piping and tubing for the heating, ventilation, air conditioning and refrigeration industry. This course includes various methods of working with and joining tubing. Upon completion, students should comprehend related terminology, and be able to fabricate pipe, tubing, and pipe fittings.	10	12
2020-2021	920204	FUNDAMENTALS OF GAS HEATING SYSTEMS	This course provides instruction on general service and installation for common gas furnace system components. Upon completion, students will be able to install and service gas furnaces in a wide range of applications.	10	12
2020-2021	920205	FUNDAMENTALS OF ELECTRIC HEATING SYSTEMS	This course covers the fundamentals of electric furnace systems. Emphasis is placed on components, general service procedures, and basic installation. Upon completion, students should be able to install and service electric furnaces, heat pumps, and solar and hydronics systems.	10	12
2020-2021	920206	PRINCIPLES OF ELECTRICITY FOR HVACR	This course is designed to provide the student with the basic knowledge of electrical theory and circuitry as it pertains to air conditioning and refrigeration. This course emphasizes safety, definitions, symbols, laws, circuits, and electrical test instruments. Upon completion students should understand and be able to apply the basic principles of HVACR circuits and circuit components. This is a CORE course.	10	12
2020-2021	920207	HVACR ELECTRIC CIRCUITS	This course introduces the student to electrical circuits and diagrams. Electrical symbols and basic wiring diagrams are constructed in this course. Upon completion, student should understand standard wiring diagrams and symbols and be able to construct various types of electrical circuits. This is a CORE course.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	920208	HVACR ELECTRICAL COMPONENTS	This course introduces students to electrical components and controls. Emphasis is placed of the operations on motors, relays, contactors, starters, and other HVAC electrical components. Upon completion, students should be able to install electrical components and determine their proper operation. This is a CORE course.	10	12
2020-2021	920209	FUNDAMENTALS OF GAS AND ELECTRICAL HEATING SYSTEMS	This course provides instruction on general service and installation for common gas and electrical heating systems. Emphasis is placed on components, general service procedures, and basic installation. Upon completion, students will be able to install and service gas and electrical heating systems in a wide range of applications. NOTE: This course is a suitable substitution for ACR 119 and 120 if those both courses are taken.	10	12
2020-2021	920210	COMMERCIAL HEATING SYSTEMS	□ This course covers the theory and application of larger heating systems. Emphasis is placed on larger heating systems associated with commercial applications such as gas heaters, boilers, unit heaters, and duct heaters. Upon completion, student should be able to troubleshoot and perform general maintenance on commercial heating systems. □	10	12
2020-2021	920211	HVACR ELECTRIC MOTORS	This course covers the basic maintenance of electric motors used in HVAC/R systems. Topics include types of motors, motor operations, motor installation, and troubleshooting motors. Upon completion student should be able to install and service HVAC/R electric motors.	10	12
2020-2021	920212	HEAT LOAD CALCULATIONS	This course focuses on heat flow into and out of building structures. Emphasis is placed on determining heat gain/heat loss of a given structure. Upon completion, students should be able to calculate heat load and determine HVAC equipment size requirements.	10	12
2020-2021	920213	COMPUTER ASSISTED HVAC TROUBLESHOOTING	This course focuses on troubleshooting procedures. Emphasis is placed on the proper use of test equipment and machine/electrical malfunctions. Upon completion, student should be able to diagnosis and repair service problems in HVAC equipment.	10	12
2020-2021	920214	RESIDENTIAL AIR CONDITIONING	This course introduces students to residential air conditioning systems. Emphasis is placed on the operation, service, and repair of residential air conditioning systems. Upon completion, students will be able to service and repair residential air conditioning systems.	10	12
2020-2021	920215	DOMESTIC REFRIGERATION	This course covers domestic refrigerators and freezers. Emphasis is placed on installation, removal, and maintenance of components. Upon completion, students should be able to service and adjust domestic refrigeration units.	10	12
2020-2021	920216	ICE MACHINES	This course introduces students to commercial ice machines. Emphasis is placed on components, electrical and mechanical operation sequences, control adjustment procedures, preventive maintenance, repairs, and installation procedures. Upon completion, student should be able to install, service and repair commercial ice machines.	10	12

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2020-2021	920217	MECHANICAL/GAS/SAFETY CODES	This course is to enhance the student's knowledge of the International Fuel Gas Code and International Mechanical Code as well as fire and job safety requirements. Emphasis is placed on code book content and compliance with installation requirements. Upon completion, students should be able to apply code requirements to all work.	10	12
2020-2021	920218	CUSTOMER RELATION IN HVAC	This course covers the basic aspects of customer relations needed by the HVAC technician. Topics include employability skills associated with job performance, record keeping, service invoices, certification requirements, local ordinances, and business ethics. Upon completion, students should be able to get a job and keep it.	10	12
2020-2021	920219	ENVIRONMENTAL SYSTEMS	This course provides students with knowledge and skills of environmental chambers. Topics include theory of the refrigerant components and refrigerant circuits, programmable controllers, electrical pressure and calibration instruments and places emphasis on safety. Upon course completion, students should be able to apply environmentally-safe practices.	10	12
2020-2021	920220	BASIC DRAWING AND BLUEPRINT READING IN HVAC	This course covers basic drawing and blueprint reading as applied to the HVAC industry. Emphasis is on three-view drawings, basic duct systems, and isometric piping. Upon course completion, students should be able to perform basic drawings related to HVAC systems and read pertinent blueprints.	10	12
2020-2021	920221	REFRIGERANT TRANSITION AND RECOVERY THEORY	This course is EPA-approved and covers material relating to the requirements necessary for type I, II, and III universal certification. Upon completion, students should be prepared to take the EPA 608 certification examination.	10	12
2020-2021	920222	HEAT PUMP SYSTEMS I	Instruction received in this course centers around the basic theory and application of heat pump systems and components. Upon completion students will be able to install and service heat pumps in a wide variety of applications.	10	12
2020-2021	920223	HEAT PUMP SYSTEMS II	This is a continuation course of the basic theory and application of heat pump systems. Topics include the electrical components of heat pumps and their function. Upon completion student should be able to install and service heat pumps.	10	12
2020-2021	920410	ENTREPRENEURISM	This course covers the important issues and critical steps involved in starting a new business from scratch. Topics covered include developing a business plan, creating a successful marketing strategy, setting up the legal basis for business, raising start-up funds, attracting and managing human resources, managing costs, and developing a customer base.	10	12
2020-2021	920601	INDUSTRIAL SAFETY	This course is an introduction to general issues, concepts, procedures, hazards, and safety standards found in industrial environment. This safety course is to make technicians aware of safety issues associated with their changing work environment and attempts to eliminate industrial accidents.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	920602	PRECISION MEASUREMENT	This course covers the use of precision measurement instruments utilized in inspection. In addition, basic print reading techniques reverse engineering, and related industry standards required in advanced manufacturing disciplines are covered. Upon completion, students should be able to demonstrate correct use of precision measuring instruments, interpret basic prints and apply basic reverse engineering techniques.	10	12
2020-2021	920603	COMPUTER AIDED DESIGN	This course is an introduction to basic Computer Aided Design functions and techniques using “hands-on” applications. Topics include terminology, hardware, basic computer aided design (CAD) and operating system functions, file manipulation, industry standards for CAD drawings, and basic CAD software applications in producing softcopy and hardcopy. At the completion of this course, students should be proficient in the production of two-dimensional drawings that meets technical standards including setting up print styles and exporting drawings to the appropriate format	10	12
2020-2021	920604	INTRODUCTION TO CIM MATERIALS &AND PROCESSES	□ This course provides an overview of the materials and processes used in advanced manufacturing. In addition, this course is a basic introduction to concepts related to the computer integrated manufacturing (CIM) process. The student will be exposed to the theory behind the complete automation of a manufacturing plant with all processes functioning under computer control and digital information tying them together. The technician’s role in the process improvement of not only the cell but the full CIM system, related safety, and inspection and process adjustment are also covered. □	10	12
2020-2021	920605	INTRODUCTION TO THERMAL/ELECTRICAL PRINCIPLES	This course emphasizes the fundamental principles for air conditioning and refrigeration. Instruction is provided in the theory and principles of refrigeration and heat transfer, HVAC/R system components, common, and specialty tools for HVAC/R, and application of the concepts of basic compression refrigeration. In addition, this course covers electrical/electronic fundamentals and principles. Emphasis is placed on electrical theory and science, semiconductor devices, motors, transformers, digital concepts, programmable logic controllers, and circuit analysis of resistive, capacitive, resonant, and tuned circuits. Upon completion, students will have knowledge of basic electricity and electronics and be able to identify system components and understand their functions, identify and use common and specialty HVAC/R tools, and maintain components of a basic compression refrigeration system.	10	12

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2020-2021	920606	FLUID SYSTEMS	This course includes the fundamental concepts and theories for the safe operation of hydraulic and pneumatic systems used with industrial production equipment. Topics include the physical concepts, theories, laws, air flow characteristics, actuators, valves, accumulators, symbols, circuitry, filters, servicing safety, and preventive maintenance and the application of these concepts to perform work. Upon completion, students should be able to service and perform preventive maintenance functions on hydraulic and pneumatic systems.	10	12
2020-2021	920607	QUALITY CONTROL CONCEPTS	This course provides an overview of the materials and processes and quality assurance topics used in commercial and specialized manufacturing products. Emphasis is placed on process evaluation techniques that can be extrapolated to other system areas such as new products and new technology. Emphasis is also placed on quality assurance including the history of the quality movement, group problem solving, and statistical methods such as statistical process control (SPC), process capability studies, and the concepts associated with lean manufacturing.	10	12
2020-2021	920608	INTRODUCTION TO 3D MODELING	This course provides an introduction to basic 3 Dimensional (3D) modeling functions and techniques. The “Hands-on” class structure utilizes various 3D software applications and the parametric concept will be introduced. Topics include terminology, hardware, basic 3D modeling, involving sketching and 3D feature creation, feature application, and operating system functions. Upon completion students should be able to generate basic 3D parts and associated working drawings in soft and hard copy format.	10	12
2020-2021	920626	Design Innovation	This course introduces students to concepts that enable them to think like a designer when approaching architectural, engineering and additive manufacturing tasks. Emphasis will be placed on design and problem-solving skills when working independently, or with a team. This course focuses on giving students exposure to creativity, problem solving skills, and the design processes in which a design- centered approached will be employed to develop innovated solutions. This course includes components to develop basic skills to express innovated solutions to design problems with the application of projects, drawings, as well as oral and written communication skills. Students will be introduced to related computer based tools used by architect, engineers, and design manufacturers. (e.g., spreadsheet, word processing, presentation software, and Internet).	10	12
2020-2021	920627	Additive Manufacturing Production Techniques	In this class, students will utilize the various Additive Manufacturing (AM) design software to learn different techniques of building additively. Student will engage in using the software and build theory to discover best build for the part. Tool paths, angles, rotation and build support will be discussed. Additive process will include polymers and powders. Cost and build time will be calculated on the different build parameters	10	12

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2020-2021	920801	ARCHITECTURAL DRAWING	The purpose of this course is to introduce students to the tools and techniques used to produce architectural working drawings. This will include using proper lettering and line value techniques in creating the components of architectural working drawings. Upon completion of this course the student will know how to draw plans, elevations, schedules, and details.	10	12
2020-2021	920802	WORKING DRAWINGS	The purpose of this course is to teach the student to create and draw a set of architectural working drawings and formalize specifications. This will include a set of architectural working drawings and specifications for a building that will include a plot plan, foundation plan, floor plans, elevations, details, and a set of written specifications.	10	12
2020-2021	920805	ADVANCED ARCHITECTURAL CAD	This course provides instruction in 3D design modeling utilizing the 3D capabilities of CAD software. Emphasis is placed on 3D wireframe, surface and solid modeling along with the development of 2D working drawings from 3D models. Upon completion of this course, the student will understand the techniques and commands used in computer aided drafting which are necessary to create architectural drawings and 3D models.	10	12
2020-2021	921002	POULTRY PRODUCTION	This course focuses on the basic technical aspects of poultry production. Topics include housing, growing contacts, heating and cooling, nutrition, economics, and poultry health. Upon course completion, students will be able to develop a poultry production and marketing plan.	10	12
2020-2021	921003	AGRICULTURAL EQUIPMENT REPAIR AND MAINTENANCE	This course focuses on the repair and maintenance of agricultural equipment. Emphasis is placed on welding and other mechanical practices pertaining to small engines, tractors, implements and harvesters. Upon course completion, students will be able to perform basic repair and maintenance procedures on agricultural equipment.	10	12
2020-2021	921201	INTRODUCTION TO HORTICULTURE	This course provides students with foundational knowledge relative to the horticulture profession. Specific topics include information regarding the horticulture industry, safety practices, basic botany, and general plant care and culture.	10	12
2020-2021	921209	LANDSCAPE MAINTENANCE	This course focuses on maintaining plant materials and turf in an existing landscape. Topics include pruning, mowing techniques, pest management, and selection of maintenance equipment. Upon course completion, students will be able to demonstrate landscape maintenance techniques and will be able to prepare labor-time estimates and cost analysis for maintaining landscapes.	10	12
2020-2021	921401	ENGINE THEORY AND PROPELLERS	This course provides an overview of the theory, construction, and operation of aircraft reciprocating engines and the physical laws and characteristics governing propeller operation. Emphasis is placed on gaining a basic understanding of reciprocating engines and of fixed and variable pitch propellers. Upon completion, students should understand the inspection, service, and repair requirements of reciprocating engines; be able to demonstrate an understanding of propeller fundamentals; and remove, troubleshoot, and install propellers.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	921402	RECIPROCATING ENGINE SYSTEMS	This course focuses on the inspection, troubleshooting, and repair of reciprocating engine systems. Emphasis is on inspection, troubleshooting, and repairs of ignition systems, fuel and induction systems, lubrication systems, and cooling and exhaust systems. Upon completion, students should be able to inspect, service, troubleshoot, and repair ignition, lubrication, fuel, induction, and cooling and exhaust systems. This is a CORE course.	10	12
2020-2021	921403	RECIPROCATING ENGINE OVERHAUL	This course is a study of theory, construction, operation, and timing mechanisms associated with aircraft reciprocating powerplant; overhaul to include disassembly, cleaning, measuring, inspecting, reassembly and troubleshooting in accordance with appropriate FAA and manufacturers' regulations and practices. Emphasis is placed on overhauling a reciprocating engine. Upon completion, students should be able to overhaul a reciprocating engine. This is a CORE course.	10	12
2020-2021	921404	RECIPROCATING ENGINE INSPECTION	This course is a study of engine instruments, electrical systems, ignition systems and aircraft Powerplant inspections, as well as the study of rotary wing aircraft, rotary wing aerodynamics, main and tail rotor systems, rotor blades, primary and secondary controls, and general maintenance practices. Emphasis is placed on the theory of operation of these systems, analysis of system performance and faults, interpretations of instrument indications, and the performance of powerplant conformity and airworthiness inspections. Upon completion, students should be able to read and interpret instrument readings, analyze faults in instruments and electrical and ignition systems, and perform conformity and airworthiness inspections of reciprocating engines. This is a CORE course.	10	12
2020-2021	921405	TURBINE ENGINE THEORY AND INSPECTIONS	This course introduces the turbine engine. Emphasis is placed on turbine engine development, application, theory, components, materials and construction, and operating and power extraction principles. Upon completion, students should be able to explain turbine engine theory and operating principles, describe procedures for 100-hour and Boroscope inspections, and perform a hot section inspection by disassembling and reassembling a turbine engine. This is a CORE course.	10	12
2020-2021	921406	TURBINE ENGINE SYSTEMS OVERHAUL	This course provides a study of turbine engine systems. Emphasis is placed on starter, ignition, anti-ice, fire detection, and fire extinguishing systems. Upon completion, students should be able to troubleshoot, and repair turbine engine systems; remove and install engines in test cell and airframes; explain engine analysis and troubleshooting techniques; and describe correct procedures for rigging and running a turbine engine. This is a CORE course.	10	12
2020-2021	921407	POWERPLANT COMPREHENSIVE	This course is a comprehensive examination of all program areas. Emphasis is on demonstrating a mastery of all subjects covered in the program. Upon successful completion, students will receive authorization to sit for the appropriate Federal Aviation Administration (FAA) examination. This is a CORE course.	10	12

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2020-2021	921408	POWERPLANT PROGRAM REVIEW AND COMPREHENSIVE TESTING	This course is a combination self-directed program review and comprehensive examination covering all materials in the generals and/or power plant courses. Students successfully completing the course will be certified as eligible to take the Federal Aviation Administration (FAA) General and Powerplant written examination.	10	12
2020-2021	921601	TECHNICAL PREPARATION	This course introduces basic information necessary for entering students in aviation maintenance technology. Emphasis is placed on math and physics, aircraft weight and balance, and Federal Aviation Administration (FAA) and manufacturers' technical and legal publications. Upon completion, students should be able to make basic computations, apply principles of physics, compute weight and balance, use maintenance forms and records, state mechanic's privileges and limitations, and interpret maintenance publications.	10	12
2020-2021	921602	BASIC ELECTRICITY	This course provides a study in electricity. Emphasis is placed on alternating current (AC) and direct current (DC) circuits and controls, electrical measurements, electrical test equipment, aircraft batteries, fundamental electronics, and semi-conductor devices. Upon completion, students should be able to solve problems associated with electrical measurements, use basic electrical test equipment, and service aircraft batteries.	10	12
2020-2021	921603	MATERIALS AND PROCESSES	This course introduces aircraft hardware and materials, precision measuring and non-destructive testing, aircraft ground operations, fuels, cleaning and corrosion control methods, and the use of aircraft drawings. Emphasis is on identification and selection of aircraft hardware, performance of non-destructive testing, fabrication and inspection of flexible fluid lines, identification of fuels, use of cleaning materials, and corrosion control programs. Upon completion, students should be able to perform non-destructive tests, use precision measuring tools, fabricate and install rigid and flexible fluid lines, select hardware and fuels, handle and secure an aircraft, and identify, read, create and interpret aircraft drawings.	10	12
2020-2021	921604	NON-METALLIC STRUCTURES AND WELDING	This course is a study of repairs to non-metallic aircraft surfaces and structures and welding. Emphasis is placed on repairs to fabric surfaces and to wood, composite, and steel structures. Upon completion, students should be able to repair fabric surfaces and apply finishing materials, make repairs to wood structures, layout and form composite structures, and make repairs to steel structures using various welding methods.	10	12
2020-2021	921605	AIRCRAFT SHEET METAL STRUCTURES	This course introduces aircraft sheet metal repairs. Emphasis is placed on the use of proper procedures, tools, and materials to complete sheet metal repairs. Upon completion, students should be able to install conventional rivets; form, layout, and bend sheet metal; install special rivets and fasteners; inspect and repair sheet metal structures.	10	12

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2020-2021	921606	AIRFRAME SYSTEMS I	This course introduces aircraft electrical, communication, and navigation systems and components. Emphasis is placed on inspecting, repairing, installing, adjusting, and troubleshooting aircraft alternating and direct current electrical systems. Upon completion, students should know the operation and theory of generators, alternators, and starters; be able to fabricate wiring; and inspect, troubleshoot, and repair lighting, communication, and navigation systems.	10	12
2020-2021	921607	AIRFRAME SYSTEMS II	This course introduces aircraft inclement weather control, fire protection and fuel systems as well as cabin environmental control, and instrumentation. Emphasis is placed on theory and skills necessary to inspect, service, maintain and troubleshoot. Upon completion, students should be able to inspect, repair, troubleshoot and understand operating principles of ice and rain removal, fire protection, cabin environmental, instruments and fuel systems.	10	12
2020-2021	921608	AIRFRAME SYSTEMS III	This course introduces the theory of operation of various hydraulic and pneumatic components and systems, landing gear systems, and various position and warning systems. Emphasis is on testing, inspecting, troubleshooting, and servicing hydraulic and pneumatic system components, wheel and brake systems, and position and warning systems. Upon completion, students should be able to inspect, troubleshoot, and repair hydraulic and pneumatic power systems, aircraft wheels and tires, aircraft landing gear systems, anti-skid and electrical braking systems, and position and warning systems.	10	12
2020-2021	921609	AIRFRAME SYSTEMS IV	This course introduces aircraft structural assembly and rigging, helicopters, and required inspections. Emphasis is placed on skills required to inspect, service, maintain, and troubleshoot airframes, airframe systems, and components and assemble and rig aircraft structures. Upon completion, students should be able to inspect, repair, troubleshoot, assemble and rig aircraft structures and determine conditions of airframes, airframe systems, and components.	10	12
2020-2021	921610	AIRFRAME COMPREHENSIVE TESTING	This course is a comprehensive examination of all program areas. Emphasis is on demonstrating a mastery of all subjects covered in the program. Upon successful completion, students will receive authorization to sit for the appropriate Federal Aviation Administration (FAA) examination.	10	12
2020-2021	921611	AIRFRAME PROGRAM REVIEW AND COMPREHENSIVE TESTING	This course is a combination self-directed program review and comprehensive examination covering all materials in the generals and/or airframe courses. Students successfully completing the course will be certified as eligible to take the Federal Aviation Administration (FAA) General and Airframe written examination.	10	12

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2020-2021	921801	WELDING PRINCIPLES, THEORY, AND SYMBOLS	This is a theory and skill-based course in basic welding (gas and arc), plasma arc, brazing, soldering, and cutting processes used in maintenance and manufacturing. Other theory topics include forge, submerged arc, electroslag, stud arc, resistance, ultrasonic, electron beam, and laser beam welding. Students use welding symbols, joint designs, and weld positions to prepare specimens. The course also covers terminology, standards for welding acceptable and unacceptable welds, safety, and qualification tests.	10	12
2020-2021	921802	GAS TUNGSTEN ARC AND PLASMA ARC WELDING	This course describes processes, methods, and skills required to produce acceptable welds with gas tungsten arc welding (GTAW) and plasma arc welding (PAW) equipment for aerospace hardware; the standard of acceptability is AWS D17.1:2001 (or latest revision). Topics include equipment, tooling, shielding gases, arc characteristics, welding techniques, non-consumable electrodes, filler metals, base materials, and related safety. Instruction covers manual, semi-automatic, and automatic welding procedures. This supports CIP code 15.0801.	10	12
2020-2021	921803	ELECTRICAL/ELECTRONIC ASSEMBLY	This mechanics of electrical/electronics assembly course covers materials and wire configurations, tools for wire preparation and assembly, wire stripping, connection requirements, terminal assembly, solder connections, crimp connections, solder splices, shield terminations, tying and lacing, hardware installation, inspection, testing, safety, and industry specifications/standards. Worker proficiency certification in IPC/WHMA-A-620, "Requirements for Acceptance for Cable and Wire Harness Assemblies," is covered but certification testing is not a requirement to receive credit for the class. This supports CIP code 15.0801.	10	12
2020-2021	921804	AEROSPACE MECHANICAL ASSEMBLY	This course is a study of mechanical assembly processes applied in aerospace and related manufacturing industries. Topics include orbital tube welding (setup, programming, and tube preparation, drilling techniques, torquing techniques, fastener installation, related attachments, and safety. This supports CIP code 15.0801.	10	12
2020-2021	921805	SPECIALIZED WELDING PROCESSES	This course is an overview of the basics of metals joining. Topics include safety and diffusion bonding and an overview of welding processes such as resistance, laser, electron beam, ultrasonic, friction, inertia, explosion, upset, thermite, and forge. Also included is a review of the gas tungsten arc welding (GTAW), plasma arc welding (PAW), and orbital tube welding processes. This supports CIP code 15.0801.	10	12
2020-2021	921806	WELDING CERTIFICATION PREPARATION	This course details the requirements for welder/welding operator certification in the aerospace industry. Training includes gas tungsten arc welding (GTAW) and plasma arc welding (PAW) processes and equipment and related safety. Emphasis is on materials in Groups I, II, III, and IV as defined in AWS D17.1:2001. This supports CIP code 15.0801.	10	12

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2020-2021	922001	PRINCIPLES OF REFRIGERATION	This course emphasizes the fundamental principles for air conditioning and refrigeration. Instruction is provided in the theory and principles of refrigeration and heat transfer, HVAC/R system components, common, and specialty tools for HVAC/R, and application of the concepts of basic compression refrigeration. Upon completion, students should identify system components and understand their functions, identify and use common and specialty HVAC/R tools, and maintain components of a basic compression refrigeration system.	10	12
2020-2021	922002	HVACR SERVICE PROCEDURES	This course covers system performance checks and refrigerant cycle diagnosis. Emphasis is placed on the use of refrigerant recovery/recycle units, industry codes, refrigerant coils and correct methods of charging and recovering refrigerants. Upon completion, students should be able to properly recover/recycle refrigerants and demonstrate safe, correct service procedures which comply with the no-venting laws.	10	12
2020-2021	922003	REFRIGERATION PIPING PRACTICES	The course introduces students to the proper installation procedures of refrigerant piping and tubing for the heating, ventilation, air conditioning and refrigeration industry. This course includes various methods of working with and joining tubing. Upon completion, students should comprehend related terminology, and be able to fabricate pipe, tubing, and pipe fittings. This is a CORE course.	10	12
2020-2021	922016	MECHANICAL/GAS/SAFETY CODES	This course is to enhance the student's knowledge of the International Fuel Gas Code and International Mechanical Code as well as fire and job safety requirements. Emphasis is placed on code book content and compliance with installation requirements. Upon completion, students should be able to apply code requirements to all work.	10	12
2020-2021	922201	FUNDAMENTALS OF AUTOMOTIVE TECHNOLOGY	This course provides basic instruction in Fundamentals of Automotive Technology.	10	12
2020-2021	922202	ELECTRICAL FUNDAMENTALS	This course introduces the principles and laws of electricity. Emphasis is placed on wiring diagrams, test equipment, and identifying series, parallel and series-parallel circuits. Upon completion, students should be able to calculate, build, and measure circuits. CORE	10	12
2020-2021	922203	BRAKING SYSTEMS	This course provides instruction in automotive technology or auto mechanics. Emphasis is placed on the practical application of brakes. ABR 223 Automotive Mechanical Components is a suitable substitute for this course. This is a CORE course.	10	12
2020-2021	922204	STEERING AND SUSPENSION	This course provides instruction in automotive technology or auto mechanics. Emphasis is placed on the practical application of steering and suspension. This is a CORE course. ABR 255 – Steering & Suspension is a suitable substitute for this course.	10	12
2020-2021	922205	AUTOMOTIVE ENGINES	This course provides instruction on the operation, design, and superficial repair of automotive engines. Emphasis is placed on understanding the four stroke cycle, intake and exhaust manifolds and related parts, engine mechanical timing components, engine cooling and lubrication system principles and repairs, and basic fuel and ignition operation. This is a CORE course.	10	12

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2020-2021	922206	DRIVE TRAIN AND AXLES	This course provides basic instruction in automotive drive trains and axles. Emphasis is placed on the understanding and application of basic internal and external operation relating to proper operation and driveability. ABR 223 Automotive Mechanical Components is a suitable substitute for this course. This is a CORE course.	10	12
2020-2021	922209	ELECTRICAL AND ELECTRONIC SYSTEMS	This is an intermediate course in automotive electrical and electronic systems. Emphasis is placed on troubleshooting and repair of battery, starting, charging, and lighting systems, subsystems, and components. This is a CORE course.	10	12
2020-2021	922213	MAN TRANSMISSION AND TRANSAXLE	This course covers basic instruction in manual transmissions and transaxles. Emphasis is placed on the understanding and application of basic internal and external operation relating to proper operation and driveability.	10	12
2020-2021	922214	AUTO TRANSMISSION AND TRANSAXLE	This course provides basic instruction in automatic transmissions and transaxles. Emphasis is placed on the comprehension of principles and powerflow of automatic transmissions and repairing or replacing internal and external components. This is a CORE course.	10	12
2020-2021	922215	ENGINE PERFORMANCE AND DIAGNOSTICS	This course provides basic instruction in engine performance with emphasis on fuel and ignition systems relating to engine operation. This is a CORE course.	10	12
2020-2021	922216	ENGINE PERFORMANCE AND DIAGNOSTICS	This course provides advanced instruction in engine performance. Emphasis is placed on engine management and computer controls of ignition, fuel, and emissions systems relating to engine performance and driveability. This is a CORE course.	10	12
2020-2021	922401	INTRODUCTORY ELECTRONICS FOR AUTOMATED MFG. TECHNOLOGY	This course is a conventional current flow of electronic devices and networks. Topics include semiconductor diodes, power supplies, bipolar-junction transistors, amplifiers, buffers, field-effect transistors, and thyristors. Upon completion of this course a student will be able to analyze a discrete-component electronic network.	10	12
2020-2021	922402	INTRODUCTION TO PROGRAMMABLE LOGIC CONTROLLERS	This course provides an introduction to programmable logic controllers. Emphasis is placed on, but not limited to, the following: PLC hardware and software, numbering systems, installation, and programming. Upon completion, students must demonstrate their ability by developing, loading, debugging, and optimizing PLC programs.	10	12
2020-2021	922406	ROBOTICS PROJECT	In this course, students apply skills learned to design, fabricate, analyze, program, and/or operate a robotics system under faculty supervision.	10	12
2020-2021	922601	FUNDAMENTALS OF AUTOMOTIVE TECHNOLOGY	This course provides basic instruction in Fundamentals of Automotive Technology. This is a CORE course.	10	12
2020-2021	922602	ELECTRICAL FUNDAMENTALS	This course introduces the principles and laws of electricity. Emphasis is placed on wiring diagrams, test equipment, and identifying series, parallel and series-parallel circuits. Upon completion, students should be able to calculate, build, and measure circuits. CORE	10	12
2020-2021	922603	BRAKING SYSTEM	This course provides instruction in automotive technology or auto mechanics. Emphasis is placed on the practical application of brakes. ABR 223 Automotive Mechanical Components is a suitable substitute for this course. This is a CORE course.	10	12

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2020-2021	922604	STEERING AND SUSPENSION	This course provides instruction in automotive technology or auto mechanics. Emphasis is placed on the practical application of steering and suspension. This is a CORE course. ABR 255 – Steering & Suspension is a suitable substitute for this course.	10	12
2020-2021	922605	AUTOMOTIVE ENGINES	This course provides instruction on the operation, design, and superficial repair of automotive engines. Emphasis is placed on understanding the four stroke cycle, intake and exhaust manifolds and related parts, engine mechanical timing components, engine cooling and lubrication system principles and repairs, and basic fuel and ignition operation. This is a CORE course.	10	12
2020-2021	922606	DRIVE TRAIN AND AXLES	This course provides basic instruction in automotive drive trains and axles. Emphasis is placed on the understanding and application of basic internal and external operation relating to proper operation and driveability. ABR 223 Automotive Mechanical Components is a suitable substitute for this course. This is a CORE course.	10	12
2020-2021	922607	MOTOR VEHICLE AIR CONDITIONING	This course provides basic instruction in theory, operation, and repair of automotive heating and air conditioning systems. Emphasis is placed on the understanding and repair of vehicle air conditioning and heating systems, including but not limited to air management, electrical and vacuum controls, refrigerant recovery, and component replacement. ABR 258 – Heating and AC in Collision Repair is a suitable substitute for this course.	10	12
2020-2021	922608	ELECTRICAL AND ELECTRONIC SYSTEMS	This is an intermediate course in automotive electrical and electronic systems. Emphasis is placed on troubleshooting and repair of battery, starting, charging, and lighting systems, subsystems, and components. This is a CORE course.	10	12
2020-2021	922611	ADVANCED AUTOMOTIVE ENGINES	This course provides in depth instruction concerning internal engine diagnosis, overhaul and repair, including but not necessarily limited to the replacement of timing chains, belts, and gears, as well as the replacement or reconditioning of valve train components as well as replacement of pistons, connecting rods, piston rings, bearings, lubrication system components, gaskets, and oil seals.	10	12
2020-2021	922612	MAN TRANSMISSION AND TRANSAXLE	This course covers basic instruction in manual transmissions and transaxles. Emphasis is placed on the understanding and application of basic internal and external operation relating to proper operation and driveability.	10	12
2020-2021	922613	AUTO TRANSMISSIONS AND TRANSAXLE	This course provides basic instruction in automatic transmissions and transaxles. Emphasis is placed on the comprehension of principles and powerflow of automatic transmissions and repairing or replacing internal and external components. This is a CORE course.	10	12
2020-2021	922614	ENGINE PERFORMANCE	This course provides basic instruction in engine performance with emphasis on fuel and ignition systems relating to engine operation. This is a CORE course.	10	12
2020-2021	922615	ENGINE PERFORMANCE AND DIAGNOSTICS	This course provides advanced instruction in engine performance. Emphasis is placed on engine management and computer controls of ignition, fuel, and emissions systems relating to engine performance and driveability. This is a CORE course.	10	12

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2020-2021	922616	AUTOMOTIVE EMISSIONS	This is an introductory course in automotive emission systems. Emphasis is placed on troubleshooting and repair of systems, subsystems, and components.	10	12
2020-2021	922801	INTRODUCTION TO AUTOMOTIVE CONCEPTS	An introduction to automotive manufacturing concepts is the focus of this course. This course reviews the history of automotive manufacturing and discusses the automotive manufacturing processes for various automotive assembly and sub-assembly plants. It outlines the historical development of automotive manufacturing in Alabama. Finally the electro-mechanical systems and body components of a typical vehicle will be examined.	10	12
2020-2021	922802	FUNDAMENTALS OF AUTOMOTIVE TECHNOLOGY	This course provides basic instruction in Fundamentals of Automotive Technology. Emphasis will be placed on safety, harmful chemicals, basic hand tools, specialty tools, fasteners, precision measuring tools, power tools, shop equipment, shop operation, and careers in Automotive Technology. Upon completion the students should know whether they want to continue in the Automotive Technology field.	10	12
2020-2021	922803	LEAN MANUFACTURING AND INDUSTRIAL SAFETY	This course will introduce students to manufacturing fundamentals. It introduces various tools and techniques typically used in Lean manufacturing. It also will provide Occupational Safety and Health Administration (OSHA) certification instruction. OSHA standards will include electrical, Lock Out/ Tag Out, hazardous communications, personal protective equipment, machine guarding, and walking and working surfaces. This is a CORE course.	10	12
2020-2021	922804	OCCUPATIONAL HEALTH AND SAFETY	This course will cover safety rules and procedures concerning personal safety in the workplace. The course provides both classroom and performance based hands on training to inform personnel on OSHA rules and techniques to ensure safety.	10	12
2020-2021	922805	BLUEPRINT READING FOR MANUFACTURING	This course provides the students with terms and definitions, theory of orthographic projection, and other information required to interpret drawings used in the manufacturing and industrial trade areas. Topics include multiview projection, pictorial drawings, dimensions and notes, lines and symbols, tolerances, industrial applications, scales and quality requirements. Upon completion, students should be able to interpret blueprint drawings used in the manufacturing and industrial trades. This course may be tailored to meet specific local industry needs. CORE	10	12
2020-2021	922806	QUALITY CONTROL AND INSPECTION TECHNIQUES	This course provides the student with a basic understanding of quality assurance including the history of the quality movement in the United States; national and international standards for quality management systems; the impact of quality on an organization's performance; group problem solving; and statistical methods such as statistical process control (SPC); process capability studies, quality tools, idea generating tools, and corrective and preventive actions.	10	12

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2020-2021	922807	DC FUNDAMENTALS	This course is designed to provide students with a working knowledge of basic direct current (DC) electrical principles. Topics include safety, basic atomic structure and theory, magnetism, conductors, insulators, use of Ohm's law to solve for voltage, current, and resistance, electrical sources, power, inductors, and capacitors. Students will perform lockout/tagout procedures, troubleshoot circuits and analyze series, parallel, and combination DC circuits using the electrical laws and basic testing equipment to determine unknown electrical quantities. CORE	10	12
2020-2021	922808	AC FUNDAMENTALS	This course is designed to provide students with a working knowledge of basic alternating current (AC) electrical principles. Topics include basic concepts of electricity, electrical components, basic circuits, measurement instruments, the laws of alternating current, and electrical safety with lockout procedures. Hands on laboratory exercises are provided to analyze various series, parallel, and combination alternating current circuit configurations containing resistors, inductors, and capacitors. Upon course completion, students will be able to describe and explain alternating current circuit fundamentals such as RLC circuits, impedance, phase relationships, and power factors. They should also be able to perform fundamental tasks associated with troubleshooting, repairing, and maintaining industrial AC systems.	10	12
2020-2021	922809	INTRODUCTION TO PROGRAMMABLE LOGIC CONTROLLERS	This course provides an introduction to programmable logic controllers. Emphasis is placed on, but not limited to, the following: PLC hardware and software, numbering systems, installation, and programming. Upon completion, students must demonstrate their ability by developing, loading, debugging, and optimizing PLC programs. This is a CORE course.	10	12
2020-2021	922810	INTRODUCTION TO ROBOTICS	This course provides instruction in concepts and theories for the operation of robotic servo motors and power systems used with industrial robotic equipment. Emphasis is on the application of the computer to control power systems to perform work. Student competencies include understanding of the functions of hydraulic, pneumatic, and electrical power system components, ability to read and interpret circuitry for proper troubleshooting and ability to perform preventative maintenance. This is a CORE course.	10	12
2020-2021	922815	FUNDAMENTALS OF INDUSTRIAL HYDRAULICS AND PNEUMATICS	This course provides an introduction to hydraulics/pneumatics. Topics include hydraulic pumps, pneumatic compressors work and system components such as valves, filters, regulators, actuators, accumulators, and lubricators. The lab enables students to test, troubleshoot and repair hydraulic pumps, pneumatic compressors work and system components such as valves, filters, regulators, actuators, accumulators, and lubricators. Upon completion, students will be able to apply principles of hydraulic/pneumatics.	10	12
2020-2021	922820	PRINCIPLES OF INDUSTRIAL MECHANICS	This course provides instruction in basic physics concepts applicable to mechanics of industrial production equipment. Topics include the basic application of mechanical principles with emphasis on power transmission, specific mechanical components, alignment, and tension. Upon completion, students will be able to perform basic troubleshooting, repair and maintenance functions on industrial production equipment.	10	12

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2020-2021	922829	GAS TUNGSTEN ARC WELDING	This course provides student with knowledge needed to perform gas tungsten arc welds using ferrous and/or non-ferrous metals, according to applicable welding codes. Topics include safe operating practices, equipment identification and set-up, correct selection of tungsten type, polarity, shielding gas and filler metals. Upon completion, a student should be able to identify safe operating practices, equipment identification and setup, correct selection of tungsten type, polarity, shielding gas, filler metals, and various welds on ferrous and/or non-ferrous metals, using the gas tungsten arc welding process according to applicable welding codes.	10	12
2020-2021	922830	GAS TUNGSTEN ARC WELDING LAB	This course provides student with skills needed to perform gas tungsten arc welds using ferrous and/or non-ferrous metals, according to applicable welding codes. Topics include safe operating practices, equipment identification and set-up, correct selection of tungsten type, polarity, shielding gas and filler metals. Upon completion, a student should be able to identify safe operating practices, equipment identification and setup, correct selection of tungsten type, polarity, shielding gas, filler metals, and various welds on ferrous and/or non-ferrous metals, using the gas tungsten arc welding process according to applicable welding codes.	10	12
2020-2021	922831	INTRODUCTION TO WELD TECHNOLOGIES & PROJECTION WELDING APPLICATIONS	This course provides an understanding of joint types; weld joint positions, and multi-positional weld techniques. Students will learn sound methods of fabrication, metallurgy, welding of dissimilar metals, and techniques in SMAW, GMAW, and GTAW. Upon completion of this course, students will know the safety concerns with respect to material welding and possess the knowledge and understanding to select the correct weld type and technique for job specific applications.	10	12
2020-2021	922832	PRINCIPLES OF INDUSTRIAL MAINTENANCE WELDING & METAL CUTTING TECHNIQUES	This course provides instruction in the fundamentals of acetylene cutting and the basics of welding needed for the maintenance and repair of industrial production equipment. Topics include oxy-fuel safety, choice of cutting equipment, proper cutting angles, equipment setup, cutting plate and pipe, hand tools, types of metal welding machines, rod and welding joints, and common welding passes and beads. Upon course completion, students will demonstrate the ability to perform metal welding and cutting techniques necessary for repairing and maintaining industrial equipment.	10	12
2020-2021	922836	ROBOT OPERATION AND PROGRAMMING	This training course is designed to provide the basic skills needed to operate and program the robot cell. The course provides both classroom and performance based hands on training in the use of controls, operations, and part programming.	10	12
2020-2021	922853	INTRODUCTION TO INJECTION MOLDING LAB	Theory 0. Lab 3. Students learn to safely operate an injection molding machine. Students learn to properly startup, set machine controls and shutdown a molding machine.	10	12

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2020-2021	923201	FOUNDATION OF AVIATION ELECTRONICS	This course is designed to introduce the student to the basic concepts, terminology, and procedures associated with applied analytical skills. Specifically, the course provides students with applicable math, physics, and report writing skills. Upon completion, students will have the foundational knowledge needed to solve practical problems and exercises encountered in class and throughout the Avionics Program.	10	12
2020-2021	923400	INTRODUCTION TO BARBERING	This course provides an orientation to professional barber styling. Topics include learning skills, history of barbering, professional image, microbiology, safety, infection control, implements and tools, razor shaving properties and disorders of hair and scalp, and the treatment of hair.	10	12
2020-2021	923401	BACTERIOLOGY AND SANITATION	This course provides the theory of bacteriology and sanitation. Topics include the types of bacteria and sanitation procedures, and razor shaving. Upon completion, the student should be able to identify types of bacteria and methods of sanitation.	10	12
2020-2021	923402	ORIENTATION TO BARBERING	This course provides an orientation to professional barber styling. Topics include professional image, basic fundamentals, and the history of barber-styling. Upon completion, the student should be able to identify the core concepts of the profession. BAR 109 and 110, if taken together are a suitable substitute for BAR 108 – Introduction to Barbering.	10	12
2020-2021	923403	INTRODUCTION TO BARBERING LAB	This course provides practical application of barber-styling fundamentals. Emphasis is placed on safety, infection control, the use and care of implements, treatment of hair, and razor shaving. Upon completion, the student will demonstrate proper infection control, hair care, and use of implements. CORE	10	12
2020-2021	923404	SCIENCE OF BARBERING	This course introduces the student to the basic science of barber-styling. Topics include anatomy/physiology, disorders and treatments of the skin, scalp, and hair, and theory of facial and scalp massage. Upon completion, the student should be familiar with the anatomical structures, as well as disorders and treatments of the skin, scalp, and hair. CORE	10	12
2020-2021	923405	FUNDAMENTALS OF BARBERING APPLICATIONS	This course provides practical application of barber fundamentals learned in earlier courses. Emphasis is placed on safety, facial massage, treatment of hair and scalp proper use and care of implements, shampooing and haircutting, and razor shaving. Upon completion, the student should be able to perform fundamental barbering techniques with limited supervision. CORE	10	12
2020-2021	923406	BARBER-STYLING LAB	This course provides students with the opportunity to demonstrate skills in hair care, hair cutting, and facial massage. Emphasis is placed on safety and infection control.	10	12
2020-2021	923407	CUTTING AND STYLING TECHNIQUES	This course provides practical experience in basic scissor and clipper haircutting. Upon completion, the student will be able to cut and style a client's hair, demonstrating correct scissor and clipper cutting and styling techniques.	10	12

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2020-2021	923408	PROPERTIES OF CHEMISTRY	This course provides the student with a basic knowledge of chemicals used in barber-styling. Topics include the changes produced in the hair and skin through exposure to chemicals, electricity, and special light spectrums. Upon completion, the student should understand the proper use of implements and chemicals to treat hair and skin.	10	12
2020-2021	923409	CHEMICAL HAIR PROCESSING	This course provides students with opportunities to apply the use of chemicals to alter the appearance of hair. Emphasis is placed on the use of chemicals to relax, wave, and soft curl the hair. Upon completion, students will be competent in the use of chemicals to produce desired structure changes to the hair.	10	12
2020-2021	923410	HAIR COLORING CHEMISTRY	This course provides the student with a basic knowledge of hair color alteration. Topics include temporary, semi-permanent, and permanent changes. Upon completion, the student should be able to identify and explain the procedures for each classification of hair color alteration.	10	12
2020-2021	923411	HAIR COLORING METHODOLOGY LAB	This course provides the student an opportunity for practical application of all classifications of chemical hair coloring and processing products in a supervised environment. Emphasis is placed on experience in all classifications of hair coloring and processing procedures.	10	12
2020-2021	923412	MARKETING AND BUSINESS MANAGEMENT	This course provides the student with marketing and management skills that are essential for successful salon management. Topics include first aid, job search, bookkeeping, selling techniques, shop floor plans, shop location, and legal regulations. Upon completion, the student should be aware of marketing and business management requirements for a successful salon.	10	12
2020-2021	923413	STYLING AND DESIGN	This course introduces the student to the art of hair style and design. Topics include the selection of styles to create a mood or complement facial features as well as hair replacement and hair pieces. Upon completion, the student should know the principals of style and design	10	12
2020-2021	923414	STYLING AND MANAGEMENT LAB	This course includes hair styling and management procedure. Emphasis is placed on styling, management, marketing, and legal regulations. Upon completion, the student should be able to integrate a variety of skills and be ready to begin an internship in a salon setting.	10	12
2020-2021	923415	PRACTICUM I	This course provides the student an opportunity to combine knowledge and skill covering all aspects of barber-styling in a professional setting or school lab with minimal supervision. Emphasis is placed on utilization of the knowledge and technical skills covered in the barbering-styling curriculum. Upon completion the student should be able to function in a professional setting with very little assistance.	10	12

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2020-2021	923416	PRACTICUM II	This course provides the student an additional opportunity to combine knowledge and skill covering all aspects of barber-styling in a professional setting or school lab with minimal supervision. Emphasis is placed on utilization of the knowledge and technical skills covered in the barbering-styling curriculum. Upon completion the student should function in a professional setting as a productive employee or manager.	10	12
2020-2021	923417	STATE BOARD REVIEW	Students are provided a complete review of all written and practical procedures in barbering and state board requirements. Upon completion students should be able to demonstrate the practical skills necessary to meet the requirements of state board certification and employment.	10	12
2020-2021	923601	BASIC CONSTRUCTION TOOLS AND MATERIALS	This course emphasizes the tools and materials used in the construction industry. Topics include safety, hand tools, hand held power tools and construction materials. Upon completion, students should be able to work safely within the industry and operate various hand tools and power equipment.	10	12
2020-2021	923602	BASIC CONSTRUCTION LAYOUT	This course provides students basic building layout skills. Topics include the builder's level, transit and basic site layout techniques. Upon completion, students should be able to solve differential leveling problems, set up and operate the builder's level and transit, build batter boards, and perform basic construction layout procedures.	10	12
2020-2021	923603	CONSTRUCTION MEASUREMENTS AND CALCULATIONS	This course focuses on the mathematics and calculations used in building construction. Topics include direct and computed measurements and practical applications of mathematical formulas. Upon completion, students should be able to apply measurement and mathematical formulas used in building construction.	10	12
2020-2021	923604	BASIC CONSTRUCTION PRINT READING	This course introduces students to construction print reading. Topics include symbols and abbreviations, basic plans, elevations, sections and details. Upon completion, students should be able to read basic construction plans and trade information for major crafts employed at a construction site.	10	12
2020-2021	923605	ROOF AND CEILING FRAMING	This course focuses on construction framing above the wall-plate line. Topics include ceiling framing roof framing, and trusses. Upon completion, students should be able to frame residential ceilings and roofs, design and build trusses and apply heavy timber construction principals.	10	12
2020-2021	923606	FLOORS AND WALLS FRAMING	This course focuses on floor and wall layout. Topics include leveling tools, framing, layouts, and components of wall and floor framing to include beams, girders, floor joists, sub-flooring, partitions, bracing, headers, sills, doors, and corners. Upon completion, students should be able to properly perform basic construction framing procedures for floor and walls.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	923607	INTERIOR AND EXTERIOR FINISHES	This course is designed to provide students an in-depth understanding of interior and exterior finishes. Topics include exterior wall coverings, flooring, and interior finishes. Upon completion, students should be able to install and apply interior and exterior finishes to walls and overhangs, and install floors.	10	12
2020-2021	923608	BUILDING CODES	This course focuses on building codes, real estate, and project scheduling. Topics include real estate, project planning, specifications, company structure and organization, building codes and related legal aspects. Upon completion, students should be able to identify the components of the construction process, locate information in building code books, plan construction projects and understand the implications of various real estate issues.	10	12
2020-2021	923609	ON-GRADE CONCRETE APPLICATIONS	This course emphasizes techniques and principles required to design on-grade concrete forms. Topics include concrete curbs, edge forms, footing forms, concrete wall forms, concrete piers and columns, and templates with anchor bolts and dowels. Upon completion, students should be able to perform on-grade concrete slab forming, wall forming, curb forming, and set templates with anchor bolts.	10	12
2020-2021	923610	CONSTRUCTION ESTIMATING	This course covers the procedures involved in planning and estimating a residential structure. Topics include labor and equipment with emphasis placed on quantity take-off of materials necessary to construct a residential structure. Upon completion, students should be able to accurately complete a take-off of materials and equipments needs and plan the labor to construct a residential structure.	10	12
2020-2021	923806	WOODFINISHING FUNDAMENTALS	This is an introductory woodfinishing course. Topics include sanding, filling, staining, brushing and spraying. Upon course completion, students should be able to perform basic woodfinishing procedures. CORE	10	12
2020-2021	924001	CGI SOFTWARE BASICS	This course introduces students to Computer Graphic Imagery workflow in a dedicated software environment. Topics include interface navigation, creation tools, animation basics and rendering. Upon completion, students should be able to create simple CGI objects, animate them and assign visual rendering properties.	10	12
2020-2021	924002	COMPOSITING BASICS	This course covers the fundamental aspects of compositing software. Various techniques are covered such as color correction, layering, rotoscoping and color screen extraction. Upon completion, students should be able to integrate images from various sources to create a seamless visual effects sequence.	10	12
2020-2021	924006	STORYTELLING AND PREVISUALIZATION PROCESS/PROJECT	This course introduces students to the storytelling and previsualization process. Topics include use of tools like storyboard, rough 3d animation, camera framing and the importance of timing in storytelling. Upon completion, the student should be able to use these tools to prepare for the creation of a full CGI animated short feature.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	924007	CGI SHADING, LIGHTING AND RENDERING	This course introduces students to the mechanics of how various materials react to light in real life and in a CGI software. Topics include study of various shaders, lighting techniques and rendering parameters. Upon completion the student should be able to reproduce a common object surface and render it efficiently.	10	12
2020-2021	924011	ADVANCED COMPOSITING	This course furthers students' study of compositing software and introduces visual effects design. Topics include color space, image transformation, tracking and film grain matching. Upon completion, the student should be able to perform intricate visual effects using image sequences and advanced tools.	10	12
2020-2021	924017	INTRODUCTION TO GAME DESIGN I	Theory 1. Lab 2. This course is designed to introduce the students to the theory of game design and production using industry software and related technologies. Upon completion, students should be able to demonstrate the technical and creative aspects of game development. Prerequisite: CAP 101	10	12
2020-2021	924018	INTRO TO COMPUTER PROGRAMMING FOR 3D	Theory 1. Lab 2. This course is designed to introduce fundamental concepts of computer programming as applied to 3D modeling software and game engines. Upon completion, students should be able to demonstrate knowledge of industry programming language.	10	12
2020-2021	924201	CONSTRUCTION BASIC	This course introduces students to the opportunities in and requirements of the construction industry. Topics include economic outlook for construction, employment outlook, job opportunities, training, apprenticeship, entrepreneurship, construction tools, materials, and equipment, job safety and OSHA standards. Upon course completion, students should be able to identify the job market, types of training, knowledge of apprenticeship opportunities, construction tools, materials, equipment, and safety procedures.	10	12
2020-2021	924202	FLOORS, WALLS, AND SITE PREP.	This course introduces the student to site preparation, floor and wall layout, and construction. Topics include methods of site preparation, measurement and leveling tools, framing, layouts, and components of wall and floor framing to include beams, girders, floor joists, sub-flooring, partitions, bracing, headers, sills, doors and corners. Upon course completion, students will be able to identify various types of wall and floor framing systems and their components, identify building lines, set backs, and demonstrate a working knowledge of leveling applications.	10	12
2020-2021	924203	FLOORS, WALLS, SITE PREP LAB	In this course the student will engage in applications of site preparation, floor and wall layout, and construction. Emphasis is placed on following job safety procedures, the use of required tools and equipment, performing site preparation, laying out and framing a floor system, and laying out, and erecting walls. Students will use various measurement and leveling tools, identify and install beams, girders, floor joists, sub-flooring, and install various wall components such as partitions, bracing, headers, sills, doors and windows, and corners. Upon course completion, students should be able to follow proper safety procedures, identify building lines and set backs, ensure proper site preparation, layout and frame a floor, and layout, frame and erect walls.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	924204	CONSTRUCTIONS BASICS LAB	This course provides practical and safe application of hand, portable power, stationary and pneumatic tools, use of building materials, fasteners and adhesives, and job site safety. Emphasis is placed on the safe use of hand, power, and pneumatic tools, proper selection of lumber, plywood, byproducts, nails, bolts, screws, adhesives, fasteners, construction materials, and job safety. Upon course completion, the student should be able to identify hand, power, stationary, and pneumatic tools and demonstrate their safe use; identify and properly select wood and non-wood building products, and properly use nails, fasteners and adhesives.	10	12
2020-2021	924208	ROOF AND CEILING SYSTEMS	This course focuses on framing ceilings and roofs. Emphasis is placed on the various types of ceiling and roofing frames, rafters, trusses, ceiling joists, roof decking, and roofing materials. Upon completion, students should be able to explain how to frame a roof and ceiling, identify proper installation methods of roofing materials, and describe applicable safety rules.	10	12
2020-2021	924210	ROOF AND CEILING SYSTEMS LAB	The course provides students with practical experience in roof and ceiling layout, framing, and installation. Upon completion, the student should be able to layout and frame a roof and ceiling, cut and install rafters, and joists, install trusses, cut and apply roof decking and roofing materials, and apply job site safety rules.	10	12
2020-2021	924404	DIGITAL IMAGING	This course introduces students to digital imaging software. Emphasis is placed on painting and editing, creating special effects, basic image corrections, photo retouching, preparing images for web publications and creating color separations. Upon completion, students should be able to identify the different tools, work with multiple layer images, retouch a photograph, create special effects and prepare an image for a web publication.	10	12
2020-2021	924416	PORTFOLIO	This course provides the advanced student an opportunity to use previous commercial art training to design and produce a professional and marketable portfolio for final presentation. Emphasis is placed on a completed portfolio, resume, and cover letter. Upon completion, students should be able to formulate and organize their portfolios for various design positions.	10	12
2020-2021	924602	STRUCTURAL DRAFTING FOR TECHNICIANS	The purpose of this course is to introduce the student to structural detailing. This will include wood, steel, and concrete detailing. Upon completion of this course the student will be able to detail in wood, steel, and reinforced concrete.	10	12
2020-2021	924801	ENGINEERING BLUEPRINTS	This course introduces the student to the various types of engineering drawings. Topics include architectural, civil, electrical, electronic, and mechanical engineering blueprints. Upon completion of this course the student will be able to identify techniques, symbols, language, and purpose of the engineering drawings covered.	10	12
2020-2021	924802	INTRODUCTION TO ENGINEERING TECHNOLOGY	This course is designed to introduce the student to the basic concepts, terminology, and procedures associated with applied analytical skills needed to succeed in higher level courses. Topics include engineering notation, use of scientific calculator, basic algebra, trigonometry, and geometry.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	924803	INTRODUCTION TO MICROSTATION	This course teaches the basic techniques and concepts used in setting up a computer-aided drafting software program on a personal computer to make technical drawings. Students use Microstation in application of drawing/design techniques. Students will be expected to draw proper basic, multi-view drawings using Microstation by the completion of the course.	10	12
2020-2021	924804	FUNDAMENTALS OF SURVEYING	This course introduces the theory and practice of plane surveying and presents the basics associated with measuring angles and distances. Topics include historical perspectives, care and use of instruments, taping, differential and profile leveling, transit, stadia, and transit-tape surveys. Upon completion, students will be able to apply the theory and practice of plane surveying to determine boundaries, areas, and volumes of land measurements.	10	12
2020-2021	924805	INTERMEDIATE SURVEYING	This course is a continuation of CET 111 with an emphasis on route surveying. Topics include design and layout of horizontal and vertical curves, super elevation, and site distances. Upon completion, students will be able to design and layout roadways.	10	12
2020-2021	924806	ENGINEERING MATERIALS	This course introduces the student to the applications and characteristics of materials commonly used in engineering design. Topics include soil, wood, steel, concrete, and asphalt. Upon completion, students will be able to identify and explain the characteristics and uses of the various building materials and complete basic design or inspection of these materials.	10	12
2020-2021	924905	SANITATION, SAFETY, AND FOOD SERVICE	This course introduces the basic principles of sanitation and safety to food service handling including purchasing, storing, preparation and serving. Specific topics include the dangers of microbial contaminants, food allergens and foodborne illness, safe handling of food, the flow of food, and food safety management systems. At the conclusion of this course students will be prepared to test for ServSafe© certification. The content of this course is foundational for all culinary arts classes.	10	12
2020-2021	925201	INTRODUCTION OF EARLY CARE AND EDUCATION OF CHILDREN	This course introduces students to the child education and care profession. It is designed to increase understanding of the basic concepts of child development and the developmental characteristics of children from birth through age 8/9 years. This course is the foundation for planning appropriate activities for children and establishing appropriate expectations of young children. This class also offers an opportunity to study the developmental domains (social, emotional, cognitive/language and physical). Course includes observations of the young child in early childhood settings.	10	12
2020-2021	925202	CHILD GROWTH AND DEVELOPMENT	This course is a systematic study of child growth and development from conception through early childhood. Emphasis is on principles underlying physical, mental, emotional and social development, and methods of child study and practical implications. Upon completion, students will be able to use knowledge of how young children differ in development and approaches to learning to provide opportunities that supports physical, social, emotional, language, cognitive, and aesthetic development.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	925203	CHILDRENS CREATIVE EXPERIENCES	This course focuses on fostering creativity in preschool children and developing a creative attitude in teachers. Topics include selecting and developing creative experiences in language arts, music, art, science, math and movement with observation and participation with young children required. On completion, student will be able to select and implement creative and age-appropriate experiences for young children.	10	12
2020-2021	925204	CHILDRENS LITERATURE AND LANGUAGE DEVELOPMENT	This course surveys appropriate literature and language arts activities designed to enhance young children's speaking, listening, pre-reading and writing skills. Emphasis is placed on developmental appropriateness as related to language. Upon completion, students should be able to create, evaluate and demonstrate activities which support a language-rich environment for young children.	10	12
2020-2021	925205	METHODS AND MATERIALS FOR TEACHING CHILDREN	This course introduces basic methods and materials used in teaching young children. Emphasis is placed on students compiling a professional resource file of activities used for teaching math, language arts, science, and social studies concepts. Upon completion students will be able to demonstrate basic methods of creating learning experiences using developmental appropriate techniques, materials, and realistic expectations. Course includes observations of young children in a variety of childcare environments.	10	12
2020-2021	925206	PROGRAM PLANNING FOR EDUCATING YOUNG CHILDREN	This course provides students with knowledge to develop programs for early child development. Specific content includes a review of child development concepts and program contents. Upon completion students will be able to develop and evaluate effective programs for the education of young children.	10	12
2020-2021	925207	CHILDRENS HEALTH AND SAFETY	This course introduces basic health, nutrition and safety management practices for young children. Emphasis is placed on how to set up and maintaining safe, healthy environments for young children including specific procedures for infants and toddlers and procedures regarding childhood illnesses and communicable diseases.	10	12
2020-2021	925221	SCHOOL AGE CHILDCARE	This course is designed for caregivers/teachers providing programs for children age 5-12 in their before and after school care and summer programs. The course provides information on developmental profiles, discusses family concerns, and includes a variety of activities that caregivers can adopt to provide an educational and stimulating program.	10	12
2020-2021	925301	WORKPLACE SKILLS DEVELOPMENT	This course emphasizes foundational information for students to develop knowledge and skills to prepare them for employment following completion of 1 and academic programs. As part of this course students will participate in WorkKeys assessment and research related to the Labor Management Information (LMI). At the conclusion of this course, students will have knowledge and skills relevant to work ethic, communication, resume writing, job interviewing, dress and appearance, behavior, problem solving, decision making, and project management.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	925401	INTRODUCTION OF EARLY CARE AND EDUCATION OF CHILDREN	This course introduces students to the child education and care profession. It is designed to increase understanding of the basic concepts of child development and the developmental characteristics of children from birth through age 8/9 years, including infant and toddler and pre-school years. This course is the foundation for planning appropriate activities for children and establishing appropriate expectations of young children. This class also offers an opportunity to study the developmental domains (social, emotional, cognitive/language and physical). Course includes observations of the young child in early childhood settings.	10	12
2020-2021	925403	CHILD GROWTH AND DEVELOPMENT PRINCIPLES	This course is a systematic study of child growth and development from conception through early childhood. Emphasis is on principles underlying physical, mental, emotional and social development, and methods of child study and practical implications. Upon completion, students will be able to use knowledge of how young children differ in development and approaches to learning to provide opportunities that supports physical, social, emotional, language, cognitive, and aesthetic development. This is a CORE course. PSY 210 or PSY 211 may be used as a suitable substitute for this course for AAT and AAS degree programs at the discretion of the college.	10	12
2020-2021	925404	CHILDRENS CREATIVE EXPERIENCES	This course focuses on fostering creativity in preschool children and developing a creative attitude in teachers. Topics include selecting and developing creative experiences in language arts, music, art, science, math and movement with observation and participation with young children required. On completion, student will be able to select and implement creative and age-appropriate experiences for young children.	10	12
2020-2021	925405	CHILDRENS LITERATURE AND LANGUAGE DEVELOPMENT	This course surveys appropriate literature and language arts activities designed to enhance young children's speaking, listening, pre-reading and writing skills. Emphasis is placed on developmental appropriateness as related to language. Upon completion, students should be able to create, evaluate and demonstrate activities which support a language-rich environment for young children. This is a CORE course.	10	12
2020-2021	925406	METHODS AND MATERIALS FOR TEACHING CHILDREN	This course introduces basic methods and materials used in teaching young children. Emphasis is placed on students compiling a professional resource file of activities used for teaching math, language arts, science, and social studies concepts. Upon completion students will be able to demonstrate basic methods of creating learning experiences using developmental appropriate techniques, materials, and realistic expectations, including infant and toddler and pre-school. Course includes observations of young children in a variety of childcare environments. NOTE: CGM must teach this as a 2-1-3 configuration of theory/lab hours. This is a CORE course.	10	12
2020-2021	925408	CHILDRENS HEALTH AND SAFETY	This course introduces basic health, nutrition and safety management practices for young children. Emphasis is placed on how to set up and maintaining safe, healthy environments for young children including specific procedures for infants and toddlers and procedures regarding childhood illnesses and communicable diseases. This is a CORE course.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	925411	INFANT AND TODDLER EDUCATION PROGRAMS	This course focuses on child development from infancy through thirty-five months of age with emphasis on planning programs using developmentally appropriate materials. Emphasis is placed on positive ways to support an infant or toddler's social, emotional, physical and intellectual development. Upon completion, the students should be able to plan an infant-toddler program and environment that is appropriate and supportive of the families and the children.	10	12
2020-2021	925412	EDUCATING EXCEPTIONAL CHILDREN	This course explores the many different types of exceptionalities found in young children. Topics include speech, language, hearing and visual impairments, gifted and talented children, mental retardation, emotional, behavioral, and neurological handicaps. Upon completion, students should be able to identify appropriate strategies for working with children. This is a CORE course.	10	12
2020-2021	925416	SUPERVISED PRACTICAL EXPERIENCE IN CHILD DEVELOPMENT	This course provides a minimum of 90 hours of hands-on, supervised experience in an approved program for young children. Students will develop a portfolio documenting experiences gained during this course. NOTE: If students are pursuing a certificate in Infant and Toddler, placement must be in an infant and toddler environment.	10	12
2020-2021	925417	MATH AND SCIENCE FOR YOUNG CHILDREN	This course provides students with information on children's conceptual development and the fundamental basic concepts of both math and science. Students learn various techniques for planning, implementing and evaluating developmentally appropriate activities. Students will also learn about integrated curriculum.	10	12
2020-2021	925421	SOCIAL STUDIES FOR CHILDREN	This course takes a global approach to the theory and practice of teaching social studies to young children. It includes methods and materials used for teaching geography, history, the arts and multicultural education using an integrated curriculum approach. The application of theoretical and philosophical concepts will be emphasized, as students are required to participate in both in-class demonstrations and laboratory experiences.	10	12
2020-2021	925601	COMPUTER APPLICATIONS LAB	This lab is designed to allow instructors to provide additional implementation of computer concepts as needed. This course may be duplicated with an alpha suffix added to the course number. This course may be scheduled as an Experimental Lab (2:1) or Manipulative Lab (3:1).	10	12
2020-2021	925602	WORD PROCESSING SOFTWARE APPLICATIONS	This course provides students with hands-on experience using word processing software. Students will develop skills common to most word processing software by developing a wide variety of documents. Emphasis is on planning, developing, and editing functions associated with word processing.	10	12
2020-2021	925603	SPREADSHEET SOFTWARE APPLICATIONS	This course provides students with hands-on experience using spreadsheet software. Students will develop skills common to most spreadsheet software by developing a wide variety of spreadsheets. Emphasis is on planning, developing, and editing functions associated with spreadsheets.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	925604	PRESENTATIONS GRAPHICS SOFTWARE APPLICATIONS	This course provides students with hands-on experience using presentation graphics software. Students will develop skills common to most presentation graphics software by developing a wide variety of presentations. Emphasis is on planning, developing, and editing functions associated with presentations.	10	12
2020-2021	925605	DATABASE MANAGEMENT SOFTWARE APPLICATIONS	This course provides students with hands-on experience using database management software. Students will develop skills common to most database management software by developing a wide variety of databases. Emphasis is on planning, developing, and editing functions associated with database management.	10	12
2020-2021	925606	INTRO TO INFORMATION SYSTEMS	This course is an introduction to computers that reviews computer hardware and software concepts such as equipment, operations, communications, programming and their past, present and future impact on society. Topics include computer hardware, various types of computer software, communication technologies and program development using computers to execute software packages and/or to write simple programs. Upon completion, students should be to describe and use the major components of selected computer software and hardware.	10	12
2020-2021	925607	MICROCOMPUTER APPLICATIONS	This course is an introduction to the most common microcomputer software applications. These software packages should include typical features of applications, such as word processing, spreadsheets, database management, and presentation software. Upon completion, students will be able to utilize selected features of these packages. This course will help prepare students for the MOS and IC3 certification. This course or an equivalent is CORE for the AAT and AAS CIS programs.	10	12
2020-2021	925608	ADVANCED MICRO APPLICATIONS	This course is a continuation of CIS 146 in which students utilize the advanced features of topics covered in CIS 146. Advanced functions and integration of word processing, spreadsheets, database, and presentation packages among other topics are generally incorporated into the course and are to be applied to situations found in society and business. Upon completion, the student should be able to apply the advanced features of selected software appropriately to typical problems found in society and business. This course will help prepare students for the MOS certification.	10	12
2020-2021	925609	POST ADVANCED MICRO APPLICATIONS	This course builds on concepts associated with various microcomputer applications with emphasis on advanced features commonly found in software applications. Advanced features of word processing, spreadsheets, database, and presentation packages are introduced. Features such as macros, Visual Basic Applications, and online features are included in the content of the course. Upon completion, the student will be able to apply the advanced features of selected software to the workplace. This course will help prepare students for the MOS certification.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	925610	INTRODUCTION TO COMPUTERS	This course is an introduction to computers and their impact on society. The course covers the development of computers, their impact on society, as well as future implications of development of computer and related communication technologies. This course introduces programming and computer operating systems. Upon completion, students will have basic knowledge of computer technology and will be able to perform basic functions with a computer system. The course will help prepare students for the IC3 certification.	10	12
2020-2021	925611	INTRODUCTION TO COMPUTER LOGIC AND PROGRAMMING	This course includes logic, design and problem solving techniques used by programmers and analysts in addressing and solving common programming and computing problems. The most commonly used techniques of flowcharts, structure charts, and pseudocode will be covered and students will be expected to apply the techniques to designated situations and problems. This is a CORE course	10	12
2020-2021	925612	GRAPHICS FOR THE WORLD WIDE WEB	This course will provide an overview to the theory, tools, and techniques necessary for creating high-quality graphics using design software tools. This course may be substituted with CAT 150 Imaging I: Principles of Photography and Introduction to Photoshop and CAT180 Imaging II: Techniques of Photoshop and Painter or equivalent.	10	12
2020-2021	925613	INTRODUCTION TO UNITY 3D SCRIPTING	This course teaches Unity 3D in game scripting along with programming basics. This course will prepare students with basic knowledge of Namespaces and Classes, Conditional statements and loops, Unity 3D GUI, Unity's Mono Behaviors, proper formatting skills, and firm understanding of Unity and .Net data types.	10	12
2020-2021	925614	INTRODUCTION TO MOBILE APP DEVELOPMENT	The purpose of this course is to introduce students to various app development tools for various mobile platforms. Specific topics include: app distribution sources, mobile device operating systems, survey of app development software, processes for design, build, deploying, and optimizing apps. At the conclusion of this course students will be able to design, build, deploy, and optimize a basic app.	10	12
2020-2021	925615	MULTIMEDIA FOR THE WORLD WIDE WEB	This course covers contemporary, interactive multimedia technology systems, focusing on types, applications, and theories of operation. In addition to the theoretical understanding of the multimedia technologies, students will learn how to digitize and manipulate images, voice, and video materials, including authoring a web page utilizing multimedia.	10	12
2020-2021	925616	INTRODUCTION TO NETWORKING COMMUNICATIONS	This course is designed to introduce students to basic concepts of computer networks. Emphasis is placed on terminology and technology involved in implementing selected networked systems. The course covers various network models, topologies, communications protocols, transmission media, networking hardware and software, and network troubleshooting. Students gain hands-on experience in basic networking. This course further helps prepare students for certification. NOTE: This course is a suitable substitute for CIS 199. Additionally, CISCO I may be used as a suitable substitute for this course. However, CIS 161 will not substitute for CISCO I.	10	12

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2020-2021	925617	NETWORK LAB	This lab is designed to allow instructors to provide additional implementation of networking concepts as needed. This course may be duplicated with an alpha suffix added to the course number.	10	12
2020-2021	925618	LINUX I	This course presents fundamental applications in Linux. Included in this course are skills development for OS installation and setup, recompile techniques, system configuration settings, file/folder structures and types, run levels, basic network applications, and scripting. Additionally, the course presents security features from an administrative and user consideration.	10	12
2020-2021	925619	LINUX II	This course is a continuation of CIS 171 and includes advanced features of Linux. Included in the course are web applications, integrated network configurations, file transfer, server administration, system controls, IP tables/firewall to secure Linux systems, and strategic user-group applications specific to administrative network control.	10	12
2020-2021	925620	COMPUTER ETHICS	This course will survey the various issues surrounding computer ethics.	10	12
2020-2021	925621	CO-OP for CIS I	This course is part of a series wherein the student works in a degree/program related job. Emphasis is placed on student's work experience as it integrates academic knowledge with practical application through exposure to computer practices in informational technologies environment. The grade is based on the employer's evaluation of each student's productivity, content of a descriptive report submitted by the student, and student development and assessment of a learning contract.	10	12
2020-2021	925622	INTRO TO COMPUTER PROGRAMMING CONCEPTS	This course introduces fundamental concepts, including an algorithmic approach to problem solving via the design and implementation of programs in selected languages. Structured programming techniques involving input/output, conditional statements, loops, files, arrays and structures and simple data structures are introduced. Students are expected to write programs as part of this course.	10	12
2020-2021	925623	ADVANCES COMPUTER PROGRAMMING CENCEPTS	This course covers the concepts of algorithm specifications, structured programming, data representation, searching, sorting, recursion, simple data structures, language description, and problem testing. Emphasis is placed on development of problem-solving skills. Upon completion, the student will be able to demonstrate knowledge of the topics through the completion of programming projects and appropriate tests.	10	12
2020-2021	925624	INTRODUCTION TO COMPUTER PROGRAMMING LAB	This lab is designed to allow instructors to provide additional implementation of programming concepts as needed. This course may be duplicated with an alpha suffix added to the course number. This course may be scheduled as an Experimental Lab (2:1) or Manipulative Lab (3:1). (See Board Policy 705.01).	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	925625	COMMERCIAL SOFTWARE APPLICATIONS	This is a "hands-on" introduction to software packages, languages, and utility programs currently in use, with the course being able to repeat for credit for each different topic being covered. Emphasis is placed on the purpose capabilities and utilization of each package, language or program. Upon completion, students will be able to use the features selected for the application covered.	10	12
2020-2021	925626	ADVANCED COMMERCIAL SOFTWARE APPLICATIONS	This course provides the student with hands-on experience in using the advanced features of software packages, languages, and utility programs currently in use. Each offering focuses on one software package with credit being received for each different package. Upon completion, students will be able to use the features selected for the application covered.	10	12
2020-2021	925627	NETWORK COMMUNICATIONS	This course is designed to introduce students to the basic concepts of computer networks. Emphasis is placed on gaining an understanding of the terminology and technology involved in implementing networked systems. The course will cover the OSI and TCP/IP network models, communications protocols, transmission media, networking hardware and software, LANs (Local Area Networks) and WANs (Wide Area Networks), Client/Server technology, the Internet, Intranets and network troubleshooting. Upon completion of the course, students will be able to design and implement a computer network. Students will create network shares, user accounts, and install print devices while ensuring basic network security. They will receive hands-on experience building a mock network in the classroom. This course will help prepare students for the CCNA and Network + certifications. This is a CORE course for the AAT, AAS CIS programs. CIS 161 or CIS 273 may be used as a suitable substitute for this course. If used as a substitute, this is a CORE course.	10	12
2020-2021	925628	INTRODUCTION TO COMPUTER PROGRAMMING CONCEPTS	This course presents fundamental programming concepts. Included in this course are problem solving and algorithms, various design tools, programming structures, variable data types and definitions, modularization, and selected programming languages. Techniques are introduced to enable students to develop programs. This course is a suitable substitution for the programming core of the AAT and AAS CIS programs.	10	12
2020-2021	925629	INTRODUCTION TO THE INFORMATION HIGHWAY	This course introduces the student to the basic principles of the information highway. Students will be exposed to different network information tools such as electronic mail, network news, gophers, the World Wide Web, browsers, commercial information services and the use of appropriate editors or software to introduce construction of Web environments.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	925630	CONTROL MANGUAGE AND UTILITIES APPLICATIONS	This course introduces computer operation and the job or executive language on a mini- or mainframe computer using both batch and on-line techniques. Utilities including sorts, screen design aids, and control programs while operating system concepts such as scheduling are introduced. Upon completion, the student will been able to demonstrate knowledge of the topics through the completion of programming projects and appropriate tests.	10	12
2020-2021	925631	WEB DEVELOPMENT	At the conclusion of this course, students will be able to use specified markup languages to develop basic Web pages.	10	12
2020-2021	925632	WEB AUTORING SOFTWARE	Students utilize various Web authoring tools to construct and edit Web sites for a variety of applications. Upon completion students will be able to use these tools to develop or enhance Web sites.	10	12
2020-2021	925633	ADVANCED WEB DEVELOPMENT	This is an advanced Web design course emphasizing the use of scripting languages to develop interactive Web sites. Upon completion students will be able to create data driven Web sites. This course helps prepare students for the Certified Internet Webmaster (CIW) Foundations certification.	10	12
2020-2021	925634	CASE STUDY IN COMPUTER SKILLS APPLICATION	This course is designed to provide students with a capstone experience incorporating the knowledge and skills learned in the Computer Science program into student projects/case studies. Special emphasis is given to student skill attainment.	10	12
2020-2021	925635	PRINCIPLES OF INFORMATION ASSURANCE	This course is designed to introduce students to information security principles. Topics covered in this course will include the need for security, risk management, security technology, cryptography, and physical security. Security policies and legal/ethical issues will also be covered.	10	12
2020-2021	925636	VISUAL BASIC PROGRAMMING	This course emphasizes BASIC programming using a graphical user interface. The course will emphasize graphical user interfaces with additional topics on such topics as advanced file handling techniques, simulation, and other selected areas. Upon completion, the student will been able to demonstrate knowledge of the topics through the completion of programming projects and appropriate tests.	10	12
2020-2021	925637	ADVANCED VISUAL BASIC PROGRAMMING	This course is a continuation of CIS 212, Visual Basic Programming.	10	12
2020-2021	925638	SECURITY ANALYSIS (PEN TESTING)	This course introduces students to the concept of security analysis, or penetration testing, of information systems. Students will evaluate the security of a computer system or network, assessing security risks from the position of a potential attacker. Emphasis is on identifying security flaws and providing technical solutions.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	925639	C# PROGRAMMING	This course is an introduction to the C# programming language. The goal of this course is to provide students with the knowledge and skills they need to develop C# applications for the Microsoft .NET Platform. Topics include program structure, language syntax, and implementation details. Upon completion, the student will be able to demonstrate knowledge of the topics through the completion of programming projects and appropriate tests. At the end of the course, students will be able to: Analyze the basic structure of a C# application and be able to document, debug, compile, and run a simple application; Create, name, and assign values to variables; Use common statements to implement flow control, looping, and exception handling; Create methods (functions and subroutines) that can return values and take parameters; Create, initialize, and use arrays; Explain the basic concepts and terminology of object-oriented programming; Use common objects and reference types; Build new C# classes from existing classes.	10	12
2020-2021	925640	ADVANCED C# PROGRAMING	This course is a continuation of C# programming. Techniques for the improvement of application and systems programming will be covered and other topics may include developing GUI's with C#, memory management, Classes and objects, functions, debugging, portability, and reusable code. Upon completion, the student will been able to demonstrate knowledge of the topics through the completion of programming projects and appropriate tests.	10	12
2020-2021	925641	iOS APP DEVELOPMENT	In this course students learn to program apps for an iOS environment using a specified programming language. Student will be able to develop, build, deploy, and optimize an app for an iOS environment.	10	12
2020-2021	925642	ANDROID APP DEVELOPMENT	In this course students learn to program apps for an Android© operating system using a specified programming language. Student will be able to develop, build, deploy, and optimize an app for an Android© operating system.	10	12
2020-2021	925643	WINDOWS APP DEVELOPMENT	In this course students learn to program apps for a Windows© Phone system using a specified programming language. Student will be able to develop, build, deploy, and optimize an app for a Windows© Phone system.	10	12
2020-2021	925652	CYBERTERRORISM	This course focuses on ways that computers can be used to assist in terrorist activity. Students will learn to assess the potential of various kinds of cyber attacks and will learn to devise plans and contingencies against future attacks. Topics include current U.S. policy regarding infrastructure protection and various avenues of addressing threats.	10	12
2020-2021	925653	ETHICAL HACKING	This course emphasizes scanning, testing, and securing computer systems. The lab-intensive environment provides opportunities to understand how perimeter defenses work and how hackers are able to compromise information systems. With awareness of hacking strategies, students learn to counteract those attempts in an ethical manner.	10	12

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2020-2021	925654	MICROCOMPUTER OPERATING SYSTEMS	This course provides an introduction to microcomputer operating systems. Topics include a description of the operating system, system commands, and effective and efficient use of the microcomputer with the aid of its system programs. Upon completion, students should understand the function and role of the operating system, its operational characteristics, its configuration, how to execute programs, and efficient disk and file management.	10	12
2020-2021	925656	C++ PROGRAMMING	This course is an introduction to the C++ programming language including object oriented programming. Topics include: problem solving and design; control structures; objects and events; user interface construction; and document and program testing.	10	12
2020-2021	925662	COMPUTER MAINTENANCE	This course provides students with hands-on practical experience in installing software, operating systems, trouble-shooting, and maintaining systems. The class will help to prepare participants for the A+ Certification sponsored by CompTIA.	10	12
2020-2021	925664	SOFTWARE SUPPORT	This course provides students with hands-on practical experience in installing computer software, operating systems, and trouble-shooting. The class will help to prepare participants for the A+ Certification sponsored by CompTIA. This course is a suitable substitute for CIS 239, Networking Software. If used this is a CORE course for the AAT and AAS CIS programs.	10	12
2020-2021	925665	HARDWARE SUPPORT	This course provides students with hands-on practical experience in installation and troubleshooting computer hardware. The class will help to prepare participants for the A+ Certification sponsored by CompTIA. This is a suitable substitute for CIS 240, Networking Hardware. If used this is a CORE course for the AAT and AAS CIS programs.	10	12
2020-2021	925666	CISCO CCNA I	This course is the first part of a four part curriculum leading to CISCO Certified Network Associate (CCNA) certification. The content of this course is based on current requirements from the CISCO Networking Academy certification standards.	10	12
2020-2021	925667	CISCO CCNA II	This course is the second part of a four part curriculum leading to CISCO Certified Network Associate (CCNA) certification. The content of this course is based on current requirements from the CISCO Networking Academy certification standards.	10	12
2020-2021	925668	CISCO CCNA III	This course is the third part of a four part curriculum leading to CISCO Certified Network Associate (CCNA) certification. The content of this course is based on current requirements from the CISCO Networking Academy certification standards.	10	12
2020-2021	925669	CISCO CCNA IV	This course is the fourth part of a four part curriculum leading to CISCO Certified Network Associate (CCNA) certification. The content of this course is based on current requirements from the CISCO Networking Academy certification standards.	10	12
2020-2021	925677	SYSTEM ANALYSIS AND DESIGN	This course is a study of contemporary theory and systems analysis and design. Emphasis is placed on investigating, analyzing, designing, implementing, and documenting computer systems. Upon completion, the student will be able to demonstrate knowledge of the topics through the completion of programming projects and appropriate tests.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	925678	COMPUTER FORENSICS	This course introduces students to methods of computer forensics and investigations. This course helps prepare students for the International Association of Computer Investigative Specialists (IACIS) certification.	10	12
2020-2021	925679	UNDERSTANDING VOICE OVER INTERNET PROTOCOL (VoIP)	This course concentrates on router and switch configuration to route voice packets. Main focus will be on VoIP components, VoIP gateway and gatekeepers, VoIP protocols, routing operations in VoIP networks and deploying VoIP enterprise network. Students will also learn switch configuration to create proper VLAN, load balancing for voice packets and configuring call manager. After completing this course students will know PSTN and VoIP fundamentals, VoIP technologies, and VoIP quality and security. Students will be able to create a VoIP network in a small to large size LAN. Students will be able to configure call manager for voicemail and other phone features. Configurations will consist of securing voice calls using routers and switches. Students must have prior router and switch configuration experience. This is a hands-on lab oriented course.	10	12
2020-2021	925687	Advanced Networking	This course exposes students to networking concepts in increased breadth and depth. Advanced topics in networking architecture, operations and configuration are covered, as well as management and troubleshooting of common wired and wireless network devices. Also included is an introduction to network security, current industry standards and best practices and emerging technologies such as unified communications, mobile, cloud and virtualization technologies. Upon successful completion of this course, students will be able to demonstrate the essential knowledge and skills needed to confidently design, configure, manage and troubleshoot wired and wireless networks. This course, in combination with CIS 161 will prepare the student to sit for the CompTIA Network+ certification exam. Prerequisite: As required by college.	10	12
2020-2021	925688	Network Security and Risk Management	This course exposes students to essential concepts of networking security and IT risk management. Topics include design, protocols and administrative principles of secure networks, identification and elimination of threats and vulnerabilities, compliance and operational security, access control and identity management, application, data and host security, cryptography and current and evolving issues in network security. Upon successful completion of this course, students will be able to demonstrate the knowledge and skills necessary to identify security issues, to mitigate and deter threats, to apply security controls and to implement and maintain an organization's security policies. This course prepares students to sit for the CompTIA Security+ certification exam. Prerequisite: As required by college.	10	12

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2020-2021	925689	IT Fundamentals	This is an introductory level course that covers the fundamentals of software, hardware, security, and networking, as well as basic IT skills such as workstation set-up, operating system navigation, simple support services, backup protocols, and safety. Upon completion of the course, students will understand the essential functions of IT professionals and be better positioned to make decisions about a career in information technology. This course prepares students to earn the CompTIA certification in IT Fundamentals. Prerequisite: None	10	12
2020-2021	926401	INTRODUCTION TO COSMETOLOGY	This course is designed to provide students with an overview of the history and development of cosmetology and standards of professional behavior. Students receive basic information regarding principles and practices of infection control, diseases, and disorders. Additionally students receive introductory information regarding hair design. The information presented in this course is enhanced by hands-on application performed in a controlled lab environment. Upon completion, students should be able to apply safety rules and regulations and write procedures for skills identified in this course.	10	12
2020-2021	926402	INTRODUCTION TO COSMETOLOGY LAB	In this course, students are provided the practical experience for sanitation, shampooing, hair shaping, and hairstyling. Emphasis is placed on disinfection, shampooing, hair shaping, and hairstyling for various types of hair for men and women. This course offers opportunities for students to put into practice concepts learned in the theory component from COS 111. This is a CORE course.	10	12
2020-2021	926403	THEORY OF CHEMICAL SERVICES	During this course students learn concepts of theory of chemical services related to the chemical hair texturing. Specific topics include basics of chemistry and electricity, properties of the hair and scalp, and chemical texture services. Safety considerations are emphasized throughout this course. This course is foundational for other courses providing more detailed instruction on these topics. This is a core course.	10	12
2020-2021	926404	CHEMICAL SERVICES LAB	During this course students perform various chemical texturing activities. Emphasis is placed on cosmetologist and client safety, chemical use and handling, hair and scalp analysis, and client consulting. This is a CORE course.	10	12
2020-2021	926405	HAIR COLORING THEORY	In this course, students learn the techniques of hair coloring and hair lightening. Emphasis is placed on color application, laws, levels and classifications of color and problem solving. Upon completion, the student will should be able to identify all classifications of haircoloring and the effects on the hair. This is a CORE course.	10	12
2020-2021	926406	HAIR COLORING LAB	In this course, students apply hair coloring and hair lightening techniques. Topics include consultation, hair analysis, skin test and procedures and applications of all classifications of hair coloring and lightening. Upon completion, the student will be able to perform procedures for hair coloring and hair lightening. This is a core course	10	12

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2020-2021	926407	BASIC SPA TECHNIQUES	This course is the study of cosmetic products, massage, skin care, and hair removal, as well as identifying the structure and function of various systems of the body. Topics include massage skin analysis, skin structure, disease and disorder, light therapy, facials, facial cosmetics, anatomy, hair removal, and nail care. Upon completion, the student will be able to state procedures for analysis, light therapy, facials, hair removal, and identify the structures, functions, disorders of the skin, and nail care. This is a CORE course.	10	12
2020-2021	926408	BASIC SPA TECHNIQUES Lab	This course provides practical applications related to the care of the skin and related structure. Emphasis is placed on facial treatments, product application, skin analysis, massage techniques, facial make-up, hair removal, and nail care. Upon completion, the student should be able to prepare clients, assemble sanitized materials, follow procedures for product application, recognize skin disorders, demonstrate facial massage movement, cosmetic application, and hair removal using safety and sanitary precautions, and nail care. This is a CORE course.	10	12
2020-2021	926409	BUSINESS OF COSMETOLOGY	This course is designed to develop job-seeking and entry-level management skills for the beauty industry. Topics include job seeking, leader and entrepreneurship development, business principles, business laws, insurance, marketing, and technology issues in the workplace. Upon completion, the student should be able to list job-seeking and management skills and the technology that is available for use in the salon.	10	12
2020-2021	926410	COSMETOLOGY SALON PRACTICES	This course is designed to allow students to practice all phases of cosmetology in a salon setting. Emphasis is placed on professionalism, receptionist duties, hair styling, hair shaping, chemical, and nail and skin services for clients. Upon completion, the student should be able to demonstrate professionalism and the procedures of cosmetology in a salon setting.	10	12
2020-2021	926411	CAREER AND PERSONAL DEVELOPMENT	This course provides the study and practice of personal development and career building. Emphasis is placed on building and retaining clientele, communication skills, customer service, continuing education, and goal setting. Upon completion, the student should be able to communicate effectively and practice methods for building and retaining clientele.	10	12
2020-2021	926412	ESTHETICS THEORY	This course includes an advanced study of anatomy and physiology relating to skin care, cosmetic chemistry, histology of the skin, and massage and facial treatments. Upon completion, the student should be able to discuss the functions of the skin, effects of chemicals on skin, different types of massage and benefits, and key elements of the basic facial treatment.	10	12
2020-2021	926413	SALON MANAGEMENT TECHNOLOGY	This course is designed to develop entry-level management skills for the beauty industry. Topics include job-seeking, leader and entrepreneurship development, business principles, business laws, insurance, marketing, and technology issues in the workplace. Upon completion, the student should be able to list job-seeking and management skills and the technology that is available for use in the salon.	10	12

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2020-2021	926414	ADVANCED ESTHETICS	This course includes an advanced study of anatomy and physiology relating to skin care, cosmetic chemistry, histology of the skin, and massage and facial treatments. Upon completion, the student should be able to discuss the functions of the skin, effects of chemicals on skin, different types of massage and benefits, and key elements of the basic facial treatment.	10	12
2020-2021	926415	ADVANCED ESTHETICS APPLICATIONS	This course provides advanced practical applications related to skin care. Principal topics include massage techniques, various facial treatments, proper product application through skin analysis, and introduction to ingredients and treatments used by the esthetician. Upon completion, the student should be able to perform various massage techniques, prescribe proper type of facial treatment and product, and demonstrate facials using any of the eight functions of the facial machine.	10	12
2020-2021	926416	HAIR SHAPING AND DESIGN THEORY	This course introduces students to concepts related to the art and techniques of hair shaping. Topics include hair sectioning, correct use of hair shaping implements, and elevations used to create design lines.	10	12
2020-2021	926417	APPLIED CHEMISTRY FOR COSMETOLOGY	This course focuses on chemistry relevant to professional hair and skin care products, hair and its related structures, permanent waving, chemical hair relaxing, and hair coloring. Topics include knowledge of basic chemistry, pH scale measurements, water, shampooing and cosmetic chemistry, physical and chemical changes in hair structure. Upon completion, the student should be able to define chemistry, types of matter, and describe chemical and cosmetic reactions as related to the hair and skin structure.	10	12
2020-2021	926418	APPLIED CHEMISTRY FOR COSMETOLOGY LAB	This course provides practical applications of the knowledge and skin learned in reference to chemical reactions, as well as the chemical application to the hair and skin. Emphasis is placed on knowledge of basic chemistry, ph scale, cosmetic chemistry, and physical and chemical changes in the hair and skin structure. Upon completion, the student should be able to determine the proper chemical product for each prescribed service.	10	12
2020-2021	926419	SPECIALTY HAIR PREPARATION TECHNIQUES	This course focuses on the theory and practice of hair designing. Topics include creating styles using basic and advanced techniques of back combing, up sweeps and braiding. Upon completion, the student should be able to demonstrate the techniques and procedures for hair designing.	10	12
2020-2021	926420	HAIR SHAPING AND DESIGN	In this course, students learn the art and techniques of hair shaping. Topics include hair sectioning, correct use of hair shaping implements, and elevations used to create design lines. Upon completion, the student should be able to demonstrate the techniques and procedures for creating hair designs.	10	12
2020-2021	926421	HAIR SHAPING LAB	This covers the study of the art and techniques of hair shaping. Topics include hair sectioning, correct use of hair shaping implements, and elevations used to create design lines. Upon completion, the student should be able to demonstrate the techniques and procedures for creating hair designs using safety and sanitary precautions.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	926422	HAIR ADDITIONS	This course focuses on the practice of adding artificial hair. Topics include hair extensions, weaving, and braiding. Upon completion, the student should be able to demonstrate the techniques and procedures for attaching human and synthetic hair.	10	12
2020-2021	926423	NAIL CARE THEORY	This course focuses on all aspects of nail care. Topics include salon conduct, professional ethics, sanitation, nail structure, manicuring, pedicuring, nail disorders, and anatomy and physiology of the arm and hand. Upon completion, the student should be able to demonstrate professional conduct, recognize nail disorders and diseases, and identify the procedures for sanitation and nail care services.	10	12
2020-2021	926424	NAIL ART THEORY	This course focuses on nail enhancement products and techniques. Topics include acrylic, gel, fiberglass nails, and nail art. Upon completion, the student should be able to identify the different types of sculptured nails and recognize the different techniques of nail art.	10	12
2020-2021	926425	MANICURING	This course focuses on the theory and practice of nail care. Topic include sanitation nail structure, nail disorders and diseases, manicuring, pedicuring, nail wrapping, sculptured nails and acrylic overlays.	10	12
2020-2021	926426	NAIL CARE	This course focuses on all aspects of nail care. Topics include salon conduct, professional ethics, sanitation, nail structure, manicuring, pedicuring, nail disorders, and anatomy and physiology of the arm and hand. Upon completion, the student should be able to demonstrate professional conduct, recognize nail disorders and diseases, and identify the procedures for sanitation and nail care services.	10	12
2020-2021	926427	NAIL CARE APPLICATIONS	This course provides practice in all aspects of nail care. Topics include salon conduct, professional ethics, bacteriology, sanitation and safety, manicuring and pedicuring. Upon completion, the student should be able to perform nail care procedures.	10	12
2020-2021	926428	NAIL ART	This course focuses on advanced nail techniques. Topics include acrylic, gel, fiberglass nails, and nail art. Upon completion, the student should be able to identify the different types of sculptured nails and recognize the different techniques of nail art.	10	12
2020-2021	926429	NAIL ART APPLICATIONS	This course provides practice in advanced nail techniques. Topics include acrylic, gel, fiberglass nails, and nail art. Upon completion, the student should be able to perform the procedures for nail sculpturing and nail art.	10	12
2020-2021	926430	EMPLOYABILITY SKILLS	This course provides the study of marketable skills to prepare the student to enter the world of work. Emphasis is placed on resumes, interviews, client and business relations, personality, computer literacy and attitude. Upon completion, the student should be prepared to obtain employment in the field for which they have been trained.	10	12
2020-2021	926431	FACIAL TREATMENTS	This course includes all phases of facial treatments in the study of skin care. Topics include treatments for oily, dry, and special skin applications. Upon completion, students will able to apply facial treatments according to skin type.	10	12

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2020-2021	926432	FACIAL MACHINE	This is a course designed to provide practical experience using the vapor and facial machine with hydraulic chair. Topics include the uses of electricity and safety practices, machine and apparants, use of the magnifying lamp, and light therapy. Upon completion, the student will be able to demonstrate an understanding of electrical safety and skills in the use of facial machines.	10	12
2020-2021	926433	RELATED SUBJECTS ESTHETICIANS	This course includes subjects related to the methods for removing unwanted hair. This course includes such topics as electrolysis information and definitions, safety methods of permanent hair removal, the practice of removal of superfluous hair, and the use of depilatories. Upon completion of this course, students will be able to apply depilatories and practice all safety precautions.	10	12
2020-2021	926434	SKIN CARE BACTERIOLOGY AND SANITATION	This course introduces students to bacteriology and sanitation of skin care implements. Emphasis is placed on decontamination, infection control, and safety. At the end of this course students will be able to describe practices for sanitizing facial implements and proper use and disposal of non-reusable items.	10	12
2020-2021	926435	STATE BOARD REVIEW	This course introduces students to bacteriology and sanitation of skin care implements. Emphasis is placed on decontamination, infection control, and safety. At the end of this course students will be able to describe practices for sanitizing facial implements and proper use and disposal of non-reusable items.	10	12
2020-2021	926436	BACTERIOLOGY AND SANITATION	In this skin care course, emphasis is placed on the decontamination, infection control and safety practiced in the esthetics facility. Topics covered include demonstration of sanitation, sterilization methods and bacterial prevention. Upon completion, the student will be able to properly sanitize facial implements and identify non-reusable items.	10	12
2020-2021	926437	SKIN FUNCTIONS	This course introduces skin functions and disorders. Topics include practical application for skin disorder treatments, dermabrasion, and skin refining. Upon completion of this course students will be able to demonstrate procedures for acne, facials and masks for deeper layers and wrinkles.	10	12
2020-2021	926618	NETWORK SECURITY	This course provides a study of threats to network security and methods of securing a computer network from such threats. Topics included in this course are security risks, intrusion detection, and methods of securing authentication, network access, remote access, Web access, and wired and wireless network communications. Upon completion students will be able to identify security risks and describe appropriate counter measures.	10	12
2020-2021	926801	ORIENTATION TO HOSPITALITY	This course introduces various facets and opportunities within the hospitality profession. The intent is for students to gain a broad base of information relative to the hospitality industry. Emphasis is placed on having students comprehend their role as a hospitality industry professional. Topics include an overview of the hospitality profession, knowledge and skills necessary for successful employment, the impact of the hospitality profession on society, issues that impact on various segments of the hospitality profession, and emerging trends.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	926802	CATERING	This course includes the theory and practice of operating a catering business. Topics include food production and management related to catering and other special services. Upon completion, the student will have a working knowledge of the principles involved in operating a catering business.	10	12
2020-2021	926803	BASIC FOOD PREPARATION	In this course students acquire fundamental knowledge and skills in preparing a variety of basic foods. Specific topics include safety, the history of food service, professional standards of conduct and ethics, credentialing, the kitchen brigade, tools, and techniques for preparing various types of food items. This course is CORE for AAS/AAT or Diploma in Culinary Arts or Commercial Food Services.	10	12
2020-2021	926804	FOUNDATIONS OF NUTRITION	This course focuses on nutrition and meal planning in relation to the food preparation industry. Topics include the science of food and nutrition, essential nutrients and their relation to the growth, maintenance and functioning of the body, nutritional requirements of different age levels and cultural influences on food selection. Upon completion of this course, students will be able to apply the basic principles to meal planning. This is a CORE course	10	12
2020-2021	926805	SANITATION, SAFETY, AND FOOD SERVICE	This course introduces the basic principles of sanitation and safety to food service handling including purchasing, storing, preparation and serving. Specific topics include the dangers of microbial contaminants, food allergens and foodborne illness, safe handling of food, the flow of food, and food safety management systems. At the conclusion of this course students will be prepared to test for ServSafe© certification. The content of this course is foundational for all culinary arts classes. This is a core course.	10	12
2020-2021	926807	MEAL MANAGEMENT	This course covers the principles of meal management. Topics include menu planning, food selection, recipe standardization, food preparation, and meal service for all phases of food service. Upon completion of this course, students will be able to apply efficient work habits, sanitation and safety in the kitchen	10	12
2020-2021	926810	FUNDAMENTALS OF QUANTITY COOKING	This course covers the principles and methods of quantity cooking. Topics include weights and measures, costing and converting of recipes, vocabulary and standard abbreviations, health department regulations and inspection, and food production forms and records. Upon completion of this course the student will have a basic knowledge of the principles of quantity food production.	10	12
2020-2021	926811	FOOD PREPARATION	In this course students acquire fundamental knowledge and skills in preparing a variety of basic foods. Specific topics include safety, the history of food service, professional standards of conduct and ethics, credentialing, the kitchen brigade, tools, and techniques for preparing various types of food items. At the conclusion of this course students will demonstrate basic food preparation skills.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	926824	FOUNDATIONS OF BAKING	This course covers basic ingredients, weights and measures, baking terminology, and formula calculations. Topics include yeast-raised products, quick breads, pastry dough, various cakes and cookies, and appropriate filling and finishing techniques. Upon completion, students should be able to prepare and evaluate baked products.	10	12
2020-2021	926825	INTRO TO GARDE MANGER	This course is designed to develop skills in the art of Garde Manger. Topics include pates, terrines, galantines, ice and tallow carving, chaud-froid/aspic work, charcuterie, smoking, canapes, hor d'oeuvres, and related food items. Upon completion, students should be able to design, set up, and evaluate a catering function to include a classical cold buffet with appropriate show pieces.	10	12
2020-2021	926826	ADVANCED GARDE MANGER	This course is a continuation of skill development in the art of Garde Manager. Major topics to be covered include preparation of gourmet foods, application of cold food fabrications and display, sausage making, ice carving and carving decorative substances to produce buffets. Upon completion, students should be able to lay out a basic cold food display and exhibit an understanding of the cold kitchen and its related terminology.	10	12
2020-2021	926827	ADVANCED BAKING	This course is a continuation of CUA 204. Topics include specialty breads, pastillage, marzipan, chocolate, pulled-sugar, confections, classic desserts, pastries, and cake decorating. Upon completion, students should be able to demonstrate pastry preparation and plating, cake decorating, and show-piece production skills.	10	12
2020-2021	926828	BEVERAGE MANAGEMENT	This is a survey course of basic alcoholic and non-alcoholic beverages as they relate to food service. Topics include wine and food appreciation and laws related to alcohol services. Upon completion, students should be able to determine what beverages compliment various cuisines and particular tastes.	10	12
2020-2021	926831	REGIONAL CUISINES OF THE AMERICAS	This course provides a brief history of the ancient American foods that enhanced the world's cuisines. Emphasis is placed on how these foods influenced the "American Cuisines" of today. Upon completion of this course, students will be able to research and execute regional American cuisines.	10	12
2020-2021	926836	MENU DESIGN	This course introduces menu design. Topics include development of standardized recipes, layout, nutritional concerns, product utilization, demographics, and customer needs. Upon completion, students should be able to write, lay out, and produce effective menus for a variety of hospitality settings.	10	12
2020-2021	927001	INTRODUCTION TO COMPUTER AIDED DRAGTING	This course provides an introduction to basic Computer Aided Drafting and Design (CADD) functions and techniques, using "hands-on" applications. Topics include terminology, hardware, basic CADD and operating system functions, file manipulation, and basic CADD software applications in producing softcopy and hardcopy.	10	12
2020-2021	927002	FUNDAMENTALS OF DRAFTING AND DESIGN TECHNOLOGY	This course serves as an introduction to the field of drafting and design and provides a foundation for the entire curriculum. Topics include safety, lettering, tools and equipment, geometric constructions, and orthographic sketching, and drawing. This is a CORE course.	10	12

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2020-2021	927004	INDUSTRIAL BLUEPRINT READING	This course provides students with basic blueprint reading for various industrial applications. Topics include orthographic projection, dimensions and tolerances, symbols, industrial application, scales and notes. This course may be tailored to meet a specific industry need.	10	12
2020-2021	927005	BLUEPRINT READING FOR MACHINISTS	This course provides the students with terms and definitions, theory of orthographic projection, and other information required to interpret drawings used in the machine trades. Topics include multiview projection, pictorial drawings, dimensions and notes, lines and symbols, and sketching. Upon completion, students should be able to interpret blueprint drawings used in the machine trades.	10	12
2020-2021	927007	MANUFACTURING PROCESSES	This course in materials and processes includes the principles and methodology of material selection, application, and manufacturing processes. Emphasis is directed to solids to include material characteristics, castings, forging, and die assemblies. Upon completion, students should be able to discuss and understand the significance of materials' properties, structure, basic manufacturing processes, and express and interpret material specifications.	10	12
2020-2021	927009	BASIC TECHNICAL DRAWING	This course covers sections, auxiliary views, and basic space geometry. Emphasis will be placed on the theory as well as the mechanics of applying sections, basic dimensioning, auxiliary views, and basic space geometry. This is a CORE course.	10	12
2020-2021	927010	SURFACE DEVELOPMENT	This course covers surface intersections and developments. Emphasis is placed on the basic types of intersections using simple geometric forms. Upon completion, students should be able to draw common types of surface intersection and handle them simply as applications of the concepts learned in this class.	10	12
2020-2021	927011	INTERMEDIATE COMPUTER AIDED DRAFTING AND DESIGN	This course covers intermediate-level concepts and applications of CADD. Emphasis will be placed on intermediate-level features, commands, and applications of CADD software. This is a CORE course	10	12
2020-2021	927012	INTERMEDIATE TECHNICAL DRAWING	This course is designed to develop a strong foundation in common drafting and design practices and procedures. Topics include multi-view working drawings with advanced dimensioning, basic tolerancing and pictorial drawings. This is a CORE course.	10	12
2020-2021	927014	MACHINE DRAFTING BASICS	This course in machine drafting and design provides instruction in the largest speciality area of drafting in the United States, in terms of scope and job opportunities. Emphasis will be placed on the applications of multi-view drawings, including drawing organization and content, title blocks and parts lists, assembly drawings, detail drawings, dimensioning and application of engineering controls in producing industrial-type working drawings. Upon completion, students should be able to organize, layout, and produce industrial-type working drawings, including the application of title blocks, parts lists, assemblies, details, dimensions, and engineering controls.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	927015	ARCHITECTURAL DRAFTING	This course in architectural design and drafting introduces basic terminology, concepts and principles of architectural design and drawing. Topics include design considerations, lettering, terminology; site plans, and construction drawings. Upon completion, students should be able to draw, dimension, and specify basic residential architectural construction drawings.	10	12
2020-2021	927025	INTERMEDIATE MACHINE DRAFTING	This second course in machine drafting and design provides more advanced instruction in the largest specialty area of drafting. Topics include applications of previously developed skills in the organization and development of more complex working drawings, use of vendor catalogs and the Machinery's Handbook for developing specifications, and use of standardized abbreviations in working drawings.	10	12
2020-2021	927026	INTERMEDIATE ARCHITECTURAL DRAFTING	This second course in architectural design and drafting continues with more advanced and detailed architectural plans. Topics include interior elevations, plot plans, and interior details. Upon completion, students should be able to draw and specify advanced level plans including various architectural details.	10	12
2020-2021	927028	PIPE DRAFTING	This course covers the theory and practical application needed to understand piping fundamentals as used in refineries and petrochemical plants. Topics include process and mechanical flow diagrams, plant equipment, isometric drawings, instrumentation symbols, pipe symbols, flanges, fittings, and applications of basic math and trigonometry. Upon completion, students should be able to demonstrate pipe drafting techniques and fundamentals in order to prepare working drawings used in refineries and the petrochemical industrial environment.	10	12
2020-2021	927032	ADVANCED TECHNICAL DRAWING	This course covers the methods of providing size description and manufacturing information for production drawings. Emphasis will be placed on accepted dimensioning and tolerancing practices including Geometric Dimensioning and Tolerancing for both the Customary English System and the ISO System. Upon completion, students should be able to apply dimensions, tolerances, and notes to drawings to acceptable standards, including Geometric Dimensioning and Tolerancing, and produce drawings using and specifying common threads and various fasteners, including welding methods.	10	12
2020-2021	927036	TECHNICAL ILLUSTRATION	This course provides the student with various methods of illustrating structures and machine parts. Topics include axonometric drawings; exploded assembly drawings; one point, two point, and three point perspectives, surface textures, and renderings. Upon completion, students should be able to produce drawings and illustrations using the previously described methods.	10	12
2020-2021	927041	INTERMEDIATE 3D MODELING	This course emphasizes the more advanced techniques in 3D solid modeling. It covers advanced features of part creation, part editing, and analysis. Some techniques that will be discussed are: lofting, sweeping, sheet metal part creation, interference checking and stress analysis. Upon completion of the course students should be able to create advanced 3D models and perform stress analysis/interference checking.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	927044	DESIGN PROJECT	This course allows the student to plan, execute, and present results of an individual design project. Emphasis is placed on attainment of skills related to a project agreed upon by the Instructor and student. The student will be able to demonstrate and apply competencies identified and agreed upon between the student and instructor.	10	12
2020-2021	927047	ADVANCED 3D MODELING	This course is designed to challenge the imagination of the student in a three dimensional problem-solving environment using solids modeling software. The student will develop to scale computer generated parts in the 3D computer environment. They will apply modeling concepts as Constraints, Photorealistic rendering, motion activated views, introduction to 3D part libraries, add-in software components, plastic model technology and simulations. They will be introduced to the concepts of 3D design and animation, then apply those concepts to a design project. Upon completion, a student should be able to create parts in 3D models, produce working drawings and understand basic simulations. Students will also print files to “.stl” format and create parts on a Direct Digital Manufacturing system or prototype.	10	12
2020-2021	927201	BASIC ENGINES	This course is designed to give the student knowledge of the diesel engine components and auxiliary systems, the proper way to maintain them, and the proper procedures for testing and rebuilding components. Emphasis is placed on safety, theory of operation, inspection, and measuring and rebuilding diesel engines according to factory specifications. Upon completion students should be able to measure, diagnose problems, and repair diesel engines.	10	12
2020-2021	927202	PREVENTIVE MAINTENANCE	This course provides instruction on how to plan, develop and install equipment surveillance and reliability strategies. Descriptions of various maintenance techniques for specialized preventive programs are discussed and computerized parts and equipment inventories and fleet management systems software are emphasized. Upon completion, students should be able to set up and follow a preventive maintenance schedule as directed by manufacturers.	10	12
2020-2021	927203	DOT VEHICLE INSPECTION	This course introduces the student to the Department of Transportation Vehicle Inspection procedures. Emphasis is placed on inspecting class 8 truck tractors and trailers. Upon completion, students should be able to perform the Federal Vehicle Inspection on class 8 truck tractors and trailers.	10	12
2020-2021	927205	EQUIPMENT SAFETY / MECHANICAL FUNDAMENTALS	This course provides instruction in the fundamentals of vehicle operation and safety when basic service work is to be performed in the shop. Topics include service manuals, mechanical fundamentals, preventive maintenance and component adjustment. Upon completion, students should be able to demonstrate knowledge of the fundamentals of vehicle operation and safety in the shop.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	927206	FLUID POWER COMPONENTS	This course is designed to provide the fundamental knowledge of hydraulic and pneumatic components currently in use on mobile as well as stationary equipment. Instruction is provided in the identification and repair of various pumps, motor, valves, heat exchanger and cylinders. Upon completion, students should be able to diagnose, service, and repair hydraulic and pneumatic components.	10	12
2020-2021	927208	DIESEL & GAS TUNE-UP	This course introduces tune-up and troubleshooting according to manufacturers' specifications. Topics include troubleshooting engine systems, tune-up procedures, and use and care of special test tools and equipment. Upon completion, students should be able to troubleshoot, diagnose, and repair engines and components using appropriate diagnostic equipment.	10	12
2020-2021	927212	HEAVY VEHICLE BRAKES	This course covers the theory and repair of braking systems used in medium and heavy duty vehicles. Topics include hydraulic, and ABS system diagnosis and repair. Upon completion, students should be able to troubleshoot, adjust and repair braking systems on medium and heavy vehicles. CORE	10	12
2020-2021	927213	PNEUMATICS AND HYDRAULICS	This course provides instruction in the identification and repair of components found in hydraulic and pneumatic systems. Topics include schematics and symbols used in fluid power transmission and the troubleshooting of components in these systems. Upon completion, students should be able to diagnose, adjust, and repair hydraulic and pneumatic system components.	10	12
2020-2021	927214	ELECTRONIC ENGINE SYSTEMS	This course introduces the principles of electronically controlled diesel engines. Emphasis is placed on testing and adjusting diesel engines in accordance with manufacturers' specifications. Upon completion, students should be able to diagnose, test, and calibrate electronically controlled diesel engines.	10	12
2020-2021	927215	HEAVY VEHICLE DRIVE TRAINS	This course introduces operational principles of mechanical medium and heavy duty vehicle transmissions. Topics include multiple counter shafts power takeoffs, slider idler clutches, friction clutches, mechanical transmission power components, and hydraulics. Upon completion, students should be able to diagnose, inspect and repair mechanical transmissions. CORE	10	12
2020-2021	927216	ADVANCED ENGINES	This course provides instruction in the disassembly, inspection, and rebuilding of diesel and heavy-duty gas engines. Emphasis is placed on the manufacturer's standards and factory recommended service tools and equipment. Upon completion, students should be able to disassemble, inspect, and rebuild engines according to the manufacturer's specifications.	10	12
2020-2021	927217	FUEL SYSTEMS	This course is designed to provide practice in troubleshooting, fault code diagnosis, information retrieval, calibration, repair and replacement of fuel injectors, nozzles, and pumps. Emphasis is placed on test equipment, component functions, and theory. Upon completion, students should be able to diagnose, service, and repair fuel systems and governors.	10	12

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2020-2021	927220	ELECTRICAL / ELECTRONIC FUNDAMENTALS	This course introduces the student to basic Electrical / Electronic concepts and fundamentals. It provides the principles of electricity, magnetism, and Ohm's Law. Emphasis is placed on batteries, starting, charging, and lighting circuits, which include series, parallel, and series-parallel circuits. Troubleshooting and repair of wiring harnesses, starting motors, charging systems, and accessories are included along with the computerized monitoring of vehicle systems. Upon completion, students should be able to identify components, test systems, and repair minor electrical problems according to manufacturer's literature. CORE	10	12
2020-2021	927225	HEAVY VEHICLE STEERING AND SUSPENSION SYSTEMS	This course introduces the theory and principles of medium and heavy duty steering and suspension systems. Topics include wheel and tire problems, frame members, fifth wheel, bearings, and coupling systems. Upon completion, students should be able to troubleshoot, adjust, and repair suspension and steering components, and perform front and rear wheel alignments on medium and heavy duty vehicles.	10	12
2020-2021	927226	HEATING, AIR CONDITIONING, AND REFRIGERATION SYSTEMS	This course provides instruction in fundamentals, diagnosis, and repair of cab and cargo heating and refrigeration systems. Topics include operation theory, safety, maintenance, recycling and recovery procedures, recharging procedures, troubleshooting procedures, refrigerant leaks, and system repairs.	10	12
2020-2021	927230	VEHICLE MAINTENANCE & SAFE OPERATING PRACTICES	This course provides instruction in basic entry level driving skills relating to the maintenance and safe operation of a commercial motor vehicle. Topics include preventive maintenance and safe vehicle operations. Upon successful completion, students will have the skill and knowledge to safely operate a commercial motor vehicle.	10	12
2020-2021	927232	CDL LICENSE TEST PREPARATION	This is a course designed to prepare students for the Alabama Commercial Driver's License written examination. The course includes a review of major topics, sample tests, as well as basic CDL information and test-taking procedures.	10	12
2020-2021	927416	COMPUTER ETHICS	This course will survey the various issues surrounding computer ethics	10	12
2020-2021	927417	COMMERCIAL SOFTWARE APPLICATIONS	This is a "hands-on" introduction to software packages, languages, and utility programs currently in use, with the course being able to repeat for credit for each different topic being covered. Emphasis is placed on the purpose capabilities and utilization of each package, language or program. Upon completion, students will be able to use the features selected for the application covered.	10	12
2020-2021	927601	INTRODUCTION TO ENGINEERING TECHNOLOGIES	This course is designed to introduce the student to the basic concepts, terminology, and procedures associated with applied analytical skills needed to succeed in higher level courses. To include: engineering notation, use of scientific calculators, triangulation methods, and the basic laws of electricity.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	927602	DC FUNDAMENTALS	This course provides an in depth study of direct current (DC) electronic theory. Topics include atomic theory, magnetism, properties of conductors and insulators, and characteristics of series, parallel, and series-parallel circuits. Inductors and capacitors are introduced and their effects on DC circuits are examined. Students are prepared to analyze complex DC circuits, solve for unknown circuit variables and to use basic electronic test equipment. This course also provides hands on laboratory exercises to analyze, construct, test, and troubleshoot DC circuits. Emphasis is placed on the use of scientific calculator and the operation of common test equipment used to analyze and troubleshoot DC and to prove the theories taught during classroom instruction. CORE	10	12
2020-2021	927603	AC FUNDAMENTALS	This course provides an in depth study of alternating current (AC) electronic theory. Students are prepared to analyze complex AC circuit configurations with resistors, capacitors, and inductors in series and parallel combinations. Topics include electrical safety and lockout procedures, specific AC theory functions such as RLC, impedance, phase relationships, and power factor. Students will be able to define terms, identify waveforms, solve complex mathematical problems, construct circuits, explain circuit characteristics, identify components, and make accurate circuit measurements using appropriate measurement instruments. They should also be able to perform fundamental tasks associated with troubleshooting, repairing, and maintaining industrial AC systems. CORE	10	12
2020-2021	927606	ELECTRICAL BLUEPRINT READING I	This course will enable the student to obtain a working knowledge of the elements of blueprint reading, the ability to interpret electrical, mechanical, and architectural drawing, and the ability to visualize the entire building structure in relationship to the electrical system. CORE	10	12
2020-2021	927610	CONCEPTS OF SOLID STATE ELECTRONICS	This course is an introduction to semiconductor fundamentals and applications to the electronic devices. Course covers the basic operations and applications to include rectifier circuits, transistors, and thyristors. Coverage is given to safety, use, and care with hazardous materials and personal as well as material and environmental considerations. Upon completion students will be able to construct and test for proper operation of various types of solid state devices.	10	12
2020-2021	927613	CIRCUIT FABRICATION I	This course provides instruction in fabrication of functional circuits and is an introduction to device construction and fabrication. Utilizing discrete components, students will fabricate functional circuits. Topics include soldering, cable construction, coaxial cable connection and termination, component mounting, cases and chassis, printed circuit board design, layout, fabrication and repair, as well as soldering techniques, care of tools, wire splicing, wire wrapping, connector maintenance, and related shop safety. Upon completion of this course, students should be able to perform basic circuit and project construction. CORE	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	927620	INSTALLATION PRACTICES	This course is a study of various tasks, wiring methods, materials, and associated NEC requirements that students will be required to work with in residential and commercial wiring courses.	10	12
2020-2021	927622	DIGITAL FUNDAMENTALS	This course provides instruction on basic logic gates, flip-flops, registers, counters, microprocessor/computer fundamentals, analog to digital conversion, and digital analog conversion. Emphasis is placed on number systems, Boolean algebra, combination logic circuits, sequential logic circuits, and typical microprocessor data manipulation and storage. This course also has an embedded lab with exercises designed to develop skills required by industry. Upon completion, students should be able to analyze digital circuits, draw timing diagrams, determine output of combinational and sequential logic circuits and diagnose and troubleshoot electronic components as well as demonstrate knowledge of microprocessor and computer circuits. CORE	10	12
2020-2021	927623	INTRO TO ROBOTICS	This course provides an introduction to robots for students preparing to work in environments using robots. Topics covered include the service and repair of robots plus applications and uses of robots. Upon completion of this course and EET 212 a student will be able to program and operate a simple robot.	10	12
2020-2021	927625	INTRO TO ROBOTICS LAB	Companion to EET 207. Emphasizes hands-on experience with actual robots. Upon completion of this course and EET 207 a student will be able to program and operate a simple robot.	10	12
2020-2021	927628	ELECTRONICS COMMUNICATIONS	A study of electronic circuits used for communication. Topics include amplitude modulation, frequency modulation, single-sideband operation, and performance measurements. Upon completion of this course a student will be able to analyze and operate a simple communication system.	10	12
2020-2021	927647	MICROPROCESSORS INTERFACING	A continuation of EET 250. Emphasis is placed on interfacing microprocessor systems. Upon completion of this course and EET 261 a student will be able to interface a microprocessor.	10	12
2020-2021	928005	ELECTRIC CIRCUITS I	This course provides an in depth study of direct current (DC) electronic theory. Topics include atomic theory, magnetism, properties of conductors and insulators, and characteristics of series, parallel, and series-parallel circuits. Inductors and capacitors are introduced and their effects on DC circuits are examined. Students are prepared to analyze complex DC circuits, solve for unknown circuit variables and to use basic electronic test equipment. This course also provides hands on laboratory exercises to analyze, construct, test, and troubleshoot DC circuits. Emphasis is placed on the use of scientific calculator and the operation of common test equipment used to analyze and troubleshoot DC and to prove the theories taught during classroom instruction.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	928205	DC FUNDAMENTALS	This course is designed to provide students with a working knowledge of basic direct current (DC) electrical principles. Topics include safety, basic atomic structure and theory, magnetism, conductors, insulators, use of Ohm's law to solve for voltage, current, and resistance, electrical sources, power, inductors, and capacitors. Students will perform lockout/tagout procedures, troubleshoot circuits and analyze series, parallel, and combination DC circuits using the electrical laws and basic testing equipment to determine unknown electrical quantities. CORE	10	12
2020-2021	928206	AC FUNDAMENTALS	This course is designed to provide students with a working knowledge of basic alternating current (AC) electrical principles. Topics include basic concepts of electricity, electrical components, basic circuits, measurement instruments, the laws of alternating current, and electrical safety with lockout procedures. Hands on laboratory exercises are provided to analyze various series, parallel, and combination alternating current circuit configurations containing resistors, inductors, and capacitors. Upon course completion, students will be able to describe and explain alternating current circuit fundamentals such as RLC circuits, impedance, phase relationships, and power factors. They should also be able to perform fundamental tasks associated with troubleshooting, repairing, and maintaining industrial AC systems. This is a CORE course.	10	12
2020-2021	928207	WIRING METHODS	This course is a study of various tasks, wiring methods, materials, and associated NEC requirements that students will be required to work with in residential and commercial wiring courses. This is a CORE course	10	12
2020-2021	928210	RESIDENTIAL WIRING METHODS	This course is a study of residential wiring practices and methods, the NEC requirements and residential blueprint interpretations. This is a CORE course.	10	12
2020-2021	928211	RESIDENTIAL WIRING METHODS II	This course is a study of residential wiring practices and methods, the NEC requirements and residential blueprint interpretations. This is a CORE course.	10	12
2020-2021	928212	RESIDENTIAL WIRING	This course is a study of residential wiring practices and methods, the NEC requirements and residential blueprint interpretations.	10	12
2020-2021	928213	AC/DC MACHINES	This course covers the theory and operation of DC motors single and three phase AC motors and the labs will reinforce this knowledge. Emphasis is placed on the various types of single and three phase motors, wiring diagrams, starting devices, and practical application in the lab. This is a CORE course.	10	12
2020-2021	928214	COMMERCIAL /INDUSTRIAL WIRING I	This course focuses on principles and applications of commercial and industrial wiring. Topics include, electrical safety practices, an overview of National Electric Code requirements as applied to commercial and industrial wiring, conduit bending, circuit design, pulling cables, transformers, switch gear, and generation principles. This is a CORE course.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	928225	MOTOR CONTROL II	This course covers complex ladder diagrams of motor control circuits and the uses of different motor starting techniques. Topics include wye-delta starting, part start winding, resistor starting and electronic starting devices. Upon completion, the students should be able to understand and interpret the more complex motor control diagrams and understand the different starting techniques of electrical motors.	10	12
2020-2021	928226	INDUSTRIAL EQUIPMENT	This course is designed to give a general overview of the different types of equipment used in large commercial and industrial facilities. Topics covered include, but are not limited to the following: motor coupling and alignment, gears and pulleys, belts and chains, basic hydraulics, basic pneumatics, and other applications. The students will learn the techniques involved with each application and, where applicable, demonstrate their abilities with practical examples.	10	12
2020-2021	928233	INTRODUCTION TO PROGRAMMABLE CONTROLLERS	This course provides an introduction to programmable logic controllers. Emphasis is placed on, but not limited to, the following: PLC hardware and software, numbering systems, installation, and programming. Upon completion, students must demonstrate their ability by developing, loading, debugging, and optimizing PLC programs.	10	12
2020-2021	928237	NATIONAL ELECTRIC CODE	This course introduces the students to the National Electric Code and text and teaches the student how to find needed information within this manual. Emphasis is placed on locating and interpreting needed information within the NEC code manual. Upon completion, students should be able to locate, with the NEC code requirements for a specific electrical installation.	10	12
2020-2021	928240	CONDUIT BENDING AND INSTALLATION	This course provides students the knowledge to properly bend electrical metallic tubing, rigid galvanized and intermediate metal conduit, and PVC conduit. Emphasis is placed on the theory and practical application of conduit bending methods. Upon completion, students should be able to get measurements, layout, and successfully bend conduit using hand type, mechanical, and hydraulic benders.	10	12
2020-2021	928404	MECHANICAL DRAWING	This course covers the basic principles and practices in mechanic drafting/design incorporating computer-aided drafting equipment. The use of proper lines, dimensions, and notations are covered in regard to multi-view orthographic drawings. Students will be expected to draw the proper views of objects using computer-aided drafting software.	10	12
2020-2021	928405	ADVANCED COMPUTER AIDED DRAFTING	Continuation of MET 201. Topics include dimensioning, reflecting, polygons, arrays, utilities, sectioning, hatching, arcs, isometrics, rotating, attributes, filing, and enhanced lines. Upon completion of this course a student will be able to draw and dimension isometric views, sectional views, and other views as necessary to clearly and completely describe an object using two-dimensional microcomputer techniques.	10	12
2020-2021	928406	SECTION AND AUXILIARY VIEWS	This course is a study of various sectional views of multi-view drawings and inclined surface projection. Topics include types of sectional views, foreshortened views, secondary and primary auxiliary views. Upon course completion, students should be able to operate applicable drawings.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	928413	ARCHITECTURAL DRAWING	This course covers the basics of architectural drawings related to residential and small commercial applications using computer-aided drafting equipment. Topics covered will be basic floor plans, light construction methods and materials, roofs, stair construction, layout, utilities, windows, doors, wall, and necessary detail drawings. The student will be expected to make basic architectural drawings using computer-aided software.	10	12
2020-2021	928601	DC FUNDAMENTALS	This course is designed to provide students with a working knowledge of basic direct current (DC) electrical principles. Topics include safety, basic atomic structure and theory, magnetism, conductors, insulators, use of Ohm's law to solve for voltage, current, and resistance, electrical sources, power, inductors, and capacitors. Students will perform lockout/tagout procedures, troubleshoot circuits and analyze series, parallel, and combination DC circuits using the electrical laws and basic testing equipment to determine unknown electrical quantities	10	12
2020-2021	928602	AC FUNDAMENTALS	This course is designed to provide students with a working knowledge of basic alternating current (AC) electrical principles. Topics include basic concepts of electricity, electrical components, basic circuits, measurement instruments, the laws of alternating current, and electrical safety with lockout procedures. Hands on laboratory exercises are provided to analyze various series, parallel, and combination alternating current circuit configurations containing resistors, inductors, and capacitors. Upon course completion, students will be able to describe and explain alternating current circuit fundamentals such as RLC circuits, impedance, phase relationships, and power factors. They should also be able to perform fundamental tasks associated with troubleshooting, repairing, and maintaining industrial AC systems. This is a CORE course.	10	12
2020-2021	928603	SOLID STATE FUNDAMENTALS	This course provides instruction in basic solid state theory beginning with atomic structure and including devices such as diodes, bipolar transistors, field effect transistors, amplifiers, thyristors, operational amplifiers, oscillator and power supply circuits. Emphasis is placed on the practical application of solid-state devices, proper biasing and amplifier circuit analysis and the use of test equipment to diagnose, troubleshoot and repair typical solid-state device circuits. This course also provides the opportunity for students to apply the solid-state principles and theories learned in class in the laboratory setting. Emphasis is placed on the practical application of solid-state devices, proper biasing and amplifier circuit analysis and the use of test equipment to diagnose, troubleshoot and repair typical solid-state device circuits. This is a CORE course.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	928608	MOTOR CONTROLS I	This course is a study of the construction, operating characteristics, and installation of different motor control circuits and devices. Emphasis is placed on the control of three phase AC motors. This course covers the use of motor control symbols, magnetic motor starters, running overload protection, pushbutton stations, multiple control stations, two wire control, three wire control, jogging control, sequence control, and ladder diagrams of motor control circuits. Upon completion, students should be able to understand the operation of motor starters, overload protection, interpret ladder diagrams using pushbutton stations and understand complex motor control diagrams.	10	12
2020-2021	928614	MICROCOMPUTER SYSTEMS AND APPLICATION	This course includes the study of primary storage, secondary storage devices, input and output operations. Special emphasis is placed on operating systems, installation, A+ certification, setup and function. Upon completion, the student will demonstrate an understanding of system software, function, and utilization of computer hardware.	10	12
2020-2021	928615	MICROCOMPUTER SYSTEM PRINCIPLES	This course is a fundamental study of installation, identification of systems and sub-systems, upgrades, maintenance, program writing with emphasis on system testing, A+ certification and the use of diagnostic software. Topics include networking concepts, sharing devices across a network, and utilization of microprocessors. Upon completion, the student will demonstrate an understanding of computer systems and concepts.	10	12
2020-2021	929612	FOUNDATIONS OF BAKING	This course covers basic ingredients, weights and measures, baking terminology, and formula calculations. Topics include yeast-raised products, quick breads, pastry dough, various cakes and cookies, and appropriate filling and finishing techniques. Upon completion, students should be able to prepare and evaluate baked products.	10	12
2020-2021	930409	WEB DESIGN	This course focuses on the necessary technical tools and design principles used for creating and posting web sites. Emphasis is placed on software and the creation and maintenance of a web site. Upon completion, students should be able to design, implement and maintain a web site.	10	12
2020-2021	930429	WEB MEDIA	This course focuses on creating original graphics for the web. Students will design web based media, animation, and navigation for the purpose of human interface design. Emphasis is placed on techniques and technologies for designing web media in which interactivity is the focus.	10	12
2020-2021	930436	WEB DESIGN STUDIO	This course allows the student to design and produce a project suitable for use on the web. Emphasis is placed on creating an original concept in which the successful design and implementation of a web site is achieved. It must serve as an effective communication tool using current technologies and user interaction. Students will design and implement effective web sites that can be included in their portfolios.	10	12
2020-2021	931001	INTRODUCTION TO HORTICULTURE	This course provides students with foundational knowledge relative to the horticulture profession. Specific topics include information regarding the horticulture industry, safety practices, basic botany, and general plant care and culture.	10	12

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2020-2021	931002	HORTICULTURAL BUSINESS MANAGEMENT	This course provides the essential information needed to establish and maintain a horticulture related business. Topics of discussion in this course will include the basic principles of business and personnel management, custom services, insurance, and record keeping. The student will develop an understanding of the requirements placed on the manager of a small business to comply with mandated state and federal regulations and meet consumer demands.	10	12
2020-2021	931003	INTRODUCTION TO FLORICULTURE	This course introduces students to principles of floral design and flower shop managements. Topics include design techniques, marketing, and management practices. Upon course completion, students should be able to create basic floral designs and demonstrate an understanding of effective flower shop management practices.	10	12
2020-2021	931010	RESIDENTIAL LANDSCAPE DESIGN	This course provides an overview of the fundamentals of residential site design. Topics include site measuring and base map preparation, functional diagrams, landscape design principles, drafting and drawing procedures, design principles, appropriate use of plant materials, planting, site preparation, and spatial composition. Upon course completion, students will be able to develop a master plan for a residential property.	10	12
2020-2021	931023	VEGETABLE AND ORCHARD CROPS	This course focuses on vegetable and fruit crops. Topics include cultural requirements, production procedures, and marketing. Upon course completion, students should be able to grow vegetables and establish orchard lay-outs.	10	12
2020-2021	931024	DEVELOPMENTS IN HORTICULTURE	This course provides students with specialized instruction in current trends and techniques related to the landscape and horticulture profession.	10	12
2020-2021	931402	DC FUNDAMENTALS	This course provides an in depth study of direct current (DC) electronic theory. Topics include atomic theory, magnetism, properties of conductors and insulators, and characteristics of series, parallel, and series-parallel circuits. Inductors and capacitors are introduced and their effects on DC circuits are examined. Students are prepared to analyze complex DC circuits, solve for unknown circuit variables and to use basic electronic test equipment. This course also provides hands on laboratory exercises to analyze, construct, test, and troubleshoot DC circuits. Emphasis is placed on the use of scientific calculator and the operation of common test equipment used to analyze and troubleshoot DC and to prove the theories taught during classroom instruction.	10	12
2020-2021	931404	BASIC ELECTRICITY	This course provides an introduction to direct current (DC) and alternating current (AC) electrical theory. Topics include atomic theory, magnetism, properties of conductors and insulators, and characteristics of series, parallel, and series-parallel circuits. Inductors and capacitors are introduced and their effects on DC and AC circuits are examined. Students are prepared to analyze complex circuits, solve for unknown circuit variables and use basic electronic test equipment. This course also provides hands on laboratory exercises to analyze, construct, test, and troubleshoot electrical circuits. Emphasis is placed on the use of a scientific calculator, the operation of common test equipment, and the physical wiring of electrical circuits.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	931406	ROTATING MACHINERY AND CONTROLS	This course is a study of the construction, operating characteristics, and installation of different motor control circuits and devices. Emphasis is placed on the control of three phase AC motors. This course covers the use of motor control symbols, magnetic motor starters, running overload protection, pushbutton stations, multiple control stations, two wire control, three wire control, jogging control, sequence control, and ladder diagrams of motor control circuits. Upon completion, students should be able to understand the operation of motor starters, overload protection, interpret ladder diagrams using pushbutton stations and understand complex motor control diagrams.	10	12
2020-2021	931407	FLUID POWER SYSTEMS	This course is provided instruction in topics ranging from basic physical concepts of machines to component operation and its typical system applications. Included are hydraulic valves, actuators, pumps, motors and their connection in transmission of energy through fluid power systems.	10	12
2020-2021	931408	PRINCIPLES OF ELECTRICITY	This course provides an in depth study of alternating current (AC) electronic theory. Students are prepared to analyze complex AC circuit configurations with resistors, capacitors, and inductors in series and parallel combinations. Topics include electrical safety and lockout procedures, specific AC theory functions such as RLC, impedance, phase relationships, and power factor. Students will be able to define terms, identify waveforms, solve complex mathematical problems, construct circuits, explain circuit characteristics, identify components, and make accurate circuit measurements using appropriate measurement instruments. They should also be able to perform fundamental tasks associated with troubleshooting, repairing, and maintaining industrial AC systems.	10	12
2020-2021	931410	ADVANCED PROGRAMMABLE LOGIC CONTROLLERS	This course includes the advanced principals of PLC's including hardware, programming, and troubleshooting. Emphasis is placed on developing advanced working programs, and troubleshooting hardware and software communication problems. Upon completion, students should be able to demonstrate their ability in developing programs and troubleshooting the system.	10	12
2020-2021	931601	APPLIED ELECTRONIC COMPUTATION	This course is an applied mathematics and algebra course for students in electronics or similar programs. Topics include decimals, fractions, negative numbers, powers and roots, the metric systems, logarithms, applied trigonometry and algebra. Upon completion of this course a student will be able to perform applied mathematics calculations needed in Electronics.	10	12
2020-2021	931605	CONCEPTS OF DIRECT CURRENT	This course provides an advanced study of direct current (DC) concepts and application principles. Specific topics include safety, terms and symbols, electrical theory, Ohm's law, power law, electrical measurement, DC electrical components, series, parallel, and series-parallel circuit construction. Students gain hands-on experience through various laboratory problems. Emphasis is placed on the use of scientific calculators, reading schematics, and the operation of common test equipment used to analyze and troubleshoot DC circuits and to prove the theories taught during classroom instruction.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	931606	CONCEPTS OF ALTERNATING CURRENT	This course provides an advanced study of alternating current (AC) concepts and application principles. Specific topics include safety, terms and symbols, AC electrical theory, components, circuits, electrical measurement instruments, laws of AC, and methods for constructing and measuring various types of AC circuits. Students gain hands-on experience through laboratory exercises designed to analyze complex circuits, power requirements, faults, phase relationships, and power factors. Emphasis is placed on the use of scientific calculators and the operation of various types of test equipment used to analyze and troubleshoot AC circuits.	10	12
2020-2021	931607	INTRODUCTION TO INSTRUMENTS AND PROCESS CONTROL	This course is an introductory study of the control devices and methods used in industry for the control and transmission of information pertaining to process variables. This study includes an introduction to instrumentation and control mathematics. This course also provides instruction in the fundamental concepts of pressure, force, weight, motion, liquid level, fluid flow and temperature.	10	12
2020-2021	931614	PRINCIPLES OF CONSTRUCTION WIRING	This course provides a study of the technical skills required to safely perform electrical wiring installations. Topics include methods of wiring residential, commercial, and industrial locations. Upon completion, students should be able to apply safe wiring skills to residential, commercial and industrial applications.	10	12
2020-2021	931615	CONSTRUCTION WIRING NEC	This course provides a study of the codes that is required to safely perform electrical wiring installations. Emphasis will be placed upon the codes that apply to residential, commercial, and industrial locations. Upon completion, students should be able to apply the codes in the electrical wiring of residential, commercial and industrial applications.	10	12
2020-2021	931619	PERSONAL COMPUTER (PC) HARDWARE	This course covers PC Hardware terminology, component purpose, configuration, pricing and selecting components and systems, for assembling, repairing, and upgrading IBM compatible computers. Upon completion of this course, students should be able to describe the basic systems of a PC and be able to perform disassembly and assembly of same.	10	12
2020-2021	931624	INTRODUCTION TO ROBOTIC PROGRAMMING	This course provides an introduction robotic programming. Emphasis is placed on but not limited to the following: Safety, motion programming, creating and editing programs, I/O instructions, macros, program and file storage. Upon completion the student will be able to safely perform basic functions in the work cell as well as program a robot to perform simple functions.	10	12
2020-2021	931625	DC FUNDAMENTALS	This course is designed to provide students with a working knowledge of basic direct current (DC) electrical principles. Topics include safety, basic atomic structure and theory, magnetism, conductors, insulators, use of Ohm's law to solve for voltage, current, and resistance, electrical sources, power, inductors, and capacitors. Students will perform lockout/tagout procedures, troubleshoot circuits and analyze series, parallel, and combination DC circuits using the electrical laws and basic testing equipment to determine unknown electrical quantities.	10	12

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2020-2021	931626	AC FUNDAMENTALS	This course is designed to provide students with a working knowledge of basic alternating current (AC) electrical principles. Topics include basic concepts of electricity, electrical components, basic circuits, measurement instruments, the laws of alternating current, and electrical safety with lockout procedures. Hands on laboratory exercises are provided to analyze various series, parallel, and combination alternating current circuit configurations containing resistors, inductors, and capacitors. Upon course completion, students will be able to describe and explain alternating current circuit fundamentals such as RLC circuits, impedance, phase relationships, and power factors. They should also be able to perform fundamental tasks associated with troubleshooting, repairing, and maintaining industrial AC systems.	10	12
2020-2021	931627	SOLID STATE FUNDAMENTALS	This course provides instruction in basic solid state theory beginning with atomic structure and including devices such as diodes, bipolar transistors, field effect transistors, amplifiers, thyristors, operational amplifiers, oscillator and power supply circuits. Emphasis is placed on the practical application of solid-state devices, proper biasing and amplifier circuit analysis and the use of test equipment to diagnose, troubleshoot and repair typical solid-state device circuits. This course also provides the opportunity for students to apply the solid-state principles and theories learned in class in the laboratory setting. Emphasis is placed on the practical application of solid-state devices, proper biasing and amplifier circuit analysis and the use of test equipment to diagnose, troubleshoot and repair typical solid-state device circuits.	10	12
2020-2021	931628	DIGITAL FUNDAMENTALS	This course provides instruction on basic logic gates, flip-flops, registers, counters, microprocessor/computer fundamentals, analog to digital conversion, and digital analog conversion. Emphasis is placed on number systems, Boolean algebra, combination logic circuits, sequential logic circuits, and typical microprocessor data manipulation and storage. This course also has an embedded lab with exercises designed to develop skills required by industry. Upon completion, students should be able to analyze digital circuits, draw timing diagrams, determine output of combinational and sequential logic circuits and diagnose and troubleshoot electronic components as well as demonstrate knowledge of microprocessor and computer circuits.	10	12
2020-2021	931629	CIRCUIT FABRICATION I	This course provides instruction in fabrication of functional circuits and is an introduction to device construction and fabrication. Utilizing discrete components, students will fabricate functional circuits. Topics include soldering, cable construction, coaxial cable connection and termination, component mounting, cases, and chassis, printed circuit board design, layout, fabrication, and repair, as well as soldering techniques, care of tools, wire splicing, wire wrapping, connector maintenance, and related shop safety. Upon completion of this course, students should be able to perform basic circuit and project construction.	10	12

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2020-2021	931631	MOTORS AND TRANSFORMERS I	This course covers motor operation, motor types, motor components, motor feeder and branch circuits. Topics include motor protection and motor control circuits. Upon lab completion students should be able to test motors, transformer types, and test for input and output voltage.	10	12
2020-2021	931632	AC/DC MACHINERY AND CONTROLS I	This course provides the student with knowledge in AC/DC machinery and controls. Topics include the characteristics and operating principles of the different types of AC/DC generators and motors, manual and automatic starters and controllers. The lab enables to students test, troubleshoot and repair AC/DC Machinery and controls. Upon completion, the student will be able to apply practical skills in AC/DC machinery.	10	12
2020-2021	931633	HYDRAULICS/PNEUMATICS	This course provides an introduction to hydraulics/pneumatics. Topics include hydraulic pumps, pneumatic compressors work and system components such as valves, filters, regulators, actuators, accumulators, and lubricators. The lab enables students to test, troubleshoot and repair hydraulic pumps, pneumatic compressors work and system components such as valves, filters, regulators, actuators, accumulators, and lubricators. Upon completion, students will be able to apply principles of hydraulic/pneumatics.	10	12
2020-2021	931637	INTRODUCTION TO PROGRAMMABLE LOGIC CONTROLLERS	This course provides an introduction to programmable logic controllers. Emphasis is placed on, but not limited to, the following: PLC hardware and software, numbering systems, installation, and programming. Upon completion, students must demonstrate their ability by developing, loading, debugging, and optimizing PLC programs.	10	12
2020-2021	931639	ADVANCED PROGRAMMABLE LOGIC CONTROLLERS	This course includes the advanced principals of PLC's including hardware, programming, and troubleshooting. Emphasis is placed on developing advanced working programs, and troubleshooting hardware and software communication problems. Upon completion, students should be able to demonstrate their ability in developing programs and troubleshooting the system.	10	12
2020-2021	931648	MOTOR CONTROLS I	This course is a study of the construction, operating characteristics, and installation of different motor control circuits and devices. Emphasis is placed on the control of three phase AC motors. This course covers the use of motor control symbols, magnetic motor starters, running overload protection, pushbutton stations, multiple control stations, two wire control, three wire control, jogging control, sequence control, and ladder diagrams of motor control circuits. Upon completion, students should be able to understand the operation of motor starters, overload protection, interpret ladder diagrams using pushbutton stations and understand complex motor control diagrams.	10	12
2020-2021	931652	INDUSTRIAL ROBOTICS	This course covers principles of electro-mechanical devices. Topics include the principles, concepts, and techniques involved in interfacing microcomputers to various electro-mechanical devices to produce geographical movement. Upon completion, students should be able to apply the principles of electro-mechanical devices.	10	12

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2020-2021	931662	PC REPAIR	This course covers the repair of personal computers including hardware and software problems. Proper procedures for circuit card handling and replacement, installation of various drives and installation of software are covered. This course helps prepare the student for the A+ certification. Upon completion of this course, the student should be able to explain the proper procedures used in handling and replacing circuit cards, drives, memory and installing software.	10	12
2020-2021	931666	PRINCIPLES OF ROBOTIC SYSTEMS	This course is an overview of basic robotic systems and classifications used in industry. An emphasis is placed on safety elements particular to automation. Topics include the principles and concepts associated with robotic system components. Upon completing this course, students should be able to classify robots and explain the various components of a safe robotic system and how these components interact.	10	12
2020-2021	932002	DC FUNDAMENTALS	This course provides an in depth study of direct current (DC) electronic theory. Topics include atomic theory, magnetism, properties of conductors and insulators, and characteristics of series, parallel, and series-parallel circuits. Inductors and capacitors are introduced and their effects on DC circuits are examined. Students are prepared to analyze complex DC circuits, solve for unknown circuit variables and to use basic electronic test equipment. This course also provides hands on laboratory exercises to analyze, construct, test, and troubleshoot DC circuits. Emphasis is placed on the use of scientific calculator and the operation of common test equipment used to analyze and troubleshoot DC and to prove the theories taught during classroom instruction.	10	12
2020-2021	932003	INDUSTRIAL MAINTENANCE CUTTING/WELDING	This course provides instruction in the fundamentals of acetylene cutting and the basic SMAW (stick) welding. Topics covered are acetylene torch cutting equipment, safety and use; welding safety, welding hand tools type of welding machines and welding rods, determining types of metal, welding passes, beads, and joints.	10	12
2020-2021	932004	AC FUNDAMENTALS	This course provides an in depth study of alternating current (AC) electronic theory. Students are prepared to analyze complex AC circuit configurations with resistors, capacitors, and inductors in series and parallel combinations. Topics include electrical safety and lockout procedures, specific AC theory functions such as RLC, impedance, phase relationships, and power factor. Students will be able to define terms, identify waveforms, solve complex mathematical problems, construct circuits, explain circuit characteristics, identify components, and make accurate circuit measurements using appropriate measurement instruments. They should also be able to perform fundamental tasks associated with troubleshooting, repairing, and maintaining industrial AC systems.	10	12
2020-2021	932005	PRINCIPLES OF TECHNOLOGY	This course provides an introduction to the application of the principles of physics in technology. Topics include fundamentals of mechanics, properties of matter, heat and temperature, electricity and magnetism, optics and modern physics.	10	12

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2020-2021	932007	ELEMENTS OF INDUSTRIAL MECHANICS	This course provides instruction in basic physics concepts applicable to industrial mechanics. Topics include mechanical principles with emphasis placed on power transmission and specific mechanical components. Upon course completion, students will be able to apply principles relative to mechanical tools, fasteners, basic mechanics, lubrication, bearings, packing and seals.	10	12
2020-2021	932010	COMPONENTS OF MATERIAL HANDLING	This course focuses on the different modes of handling manufactured goods or products. Topics include the installation, operation, and maintenance of the material handling process components. Emphasis is placed on determining control limits, performing scheduled maintenance, and troubleshooting performance or function failures. Upon completion, students should be able to install, operate, monitor, maintain and troubleshoot a simulated material handling system.	10	12
2020-2021	932017	PRINCIPLES OF INDUSTRIAL MECHANICS	This course provides instruction in basic physics concepts applicable to mechanics of industrial production equipment. Topics include the basic application of mechanical principles with emphasis on power transmission, specific mechanical components, alignment, and tension. Upon completion, students will be able to perform basic troubleshooting, repair and maintenance functions on industrial production equipment.	10	12
2020-2021	932018	FUNDAMENTALS OF INDUSTRIAL HYDRAULICS AND PNEUMATICS	This course includes the fundamental concepts and theories for the safe operation of hydraulic and pneumatic systems used with industrial production equipment. Topics include the physical concepts, theories, laws, air flow characteristics, actuators, valves, accumulators, symbols, circuitry, filters, servicing safety, and preventive maintenance and the application of these concepts to perform work. Upon completion, students should be able to service and perform preventive maintenance functions on hydraulic and pneumatic systems.	10	12
2020-2021	932026	PREVENTIVE MAINTENANCE	This course focuses on the concepts and applications of preventive maintenance. Topics include the introduction of alignment equipment, job safety, tool safety, preventive maintenance concepts, procedures, tasks, and predictive maintenance concepts. Upon course completion, students will demonstrate the ability to apply proper preventive maintenance and explain predictive maintenance concepts.	10	12
2020-2021	932027	PRINCIPLES OF INDUSTRIAL PUMPS AND PIPING SYSTEMS	This course provides instruction in the fundamental concepts of industrial pumps and piping systems. Topics include pump identification, operation, and installation, maintenance and troubleshooting, and piping systems, and their installation. Upon course completion, students will be able to install, maintain, and troubleshoot industrial pumps and piping systems.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	932033	PRINCIPLES OF INDUSTRIAL MAINTENANCE WELDING AND METAL CUTTING TECHNIQUES	This course provides instruction in the fundamentals of acetylene cutting and the basics of welding needed for the maintenance and repair of industrial production equipment. Topics include oxy-fuel safety, choice of cutting equipment, proper cutting angles, equipment setup, cutting plate and pipe, hand tools, types of metal welding machines, rod and welding joints, and common welding passes and beads. Upon course completion, students will demonstrate the ability to perform metal welding and cutting techniques necessary for repairing and maintaining industrial equipment.	10	12
2020-2021	932035	PRECISION MACHINING FUNDAMENTALS I	This course focuses on metal cutting machines used to make parts and tools. Topics include lathes, mills, drills, and presses. Upon course completion, students will have the ability to use precision measurement instruments and to read mechanical drawings.	10	12
2020-2021	932036	INDUSTRIAL WIRING I	This course focuses on principles and applications of commercial and industrial wiring. Topics include, electrical safety practices, an overview of National Electric Code requirements as applied to commercial and industrial wiring, conduit bending, circuit design, pulling cables, transformers, switch gear, and generation principles.	10	12
2020-2021	932040	INTRODUCTION TO PROGRAMMABLE LOGIC CONTROLLERS	This course provides an introduction to programmable logic controllers. Emphasis is placed on, but not limited to, the following: PLC hardware and software, numbering systems, installation, and programming. Upon completion, students must demonstrate their ability by developing, loading, debugging, and optimizing PLC programs.	10	12
2020-2021	932050	TROUBLESHOOTING TECHNIQUES	This course is designed to allow students an opportunity to study directly-related topics of particular interest which require the application of technical knowledge and technical skills. Emphasis is placed on the application of skills and knowledge with practical experiences. Upon completion, students should be able to solve job related problems using technical skills and knowledge.	10	12
2020-2021	932052	MANUFACTURING PLANT UTILITIES	This course focuses on the theory of operating and maintaining plant utilities. Topics include the operation/ control and maintenance of boilers, HVAC systems, and air compressors. Upon course completion, students will demonstrate the ability to repair and maintain utilities systems in an industrial setting.	10	12
2020-2021	933201	MASONRY FUNDAMENTALS	This course is designed as an introduction and orientation to masonry construction, specifically to brick and block construction. Topics include the identification and safe use of tools, equipment, and masonry materials. Upon completion, the students should have a general knowledge of masonry.	10	12
2020-2021	933202	BRICK/BLOCK MASONRY FUNDAMENTALS	This course is designed to provide the student with basic fundamental skills for working with brick and block. Emphasis is placed on the importance of proper work site set up, dry bonding, head and bed joints, leveling, plumbing, and straight edging. Upon completion the students should have requisite skills meeting entry level standards.	10	12

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2020-2021	933203	BRICK/BLOCK MASONRY FUNDAMENTALS II	This course is designed to provide the student with a working knowledge of laying bricks and blocks. Emphasis is placed on set up, layout, building corners, and laying to the line. Upon completion the students should have entry level skills in brick and block masonry.	10	12
2020-2021	933204	BRICK/BLOCK MASONRY FUNDAMENTALS III	This course is designed to provide the student with a working knowledge of the various methods of laying bricks and blocks. Emphasis is placed on hanging a speed pole, layout, building corners, and laying to a line. Upon completion the students should have entry level skills in basic bonds, tooling and finishing joints, toothing corners, and cutting masonry units.	10	12
2020-2021	933205	BLOCK MASONRY LAB	This course provides practical application of block laying techniques. Emphasis is placed on developing skill in laying block, constructing and reinforcing walls, joints, and sample panels. Upon completion, the student should be able to construct block walls to entry-level standards.	10	12
2020-2021	933206	BRICK MASONRY LAB	This course provides practical application of advanced brick laying techniques. Emphasis is placed on developing skill in laying brick, constructing and reinforcing walls, joints, and sample panels. Upon completion, the student should be able to construct brick walls to entry-level standards.	10	12
2020-2021	933207	RESIDENTIAL/COMMERCIAL MASONRY	This course provides application of residential and commercial techniques for reading plans, estimating costs, and constructing composite walls. Emphasis is placed on estimating material and labor cost based on specifications contained in working drawings or blueprints and on bonding composite walls. Upon completion, the student should be able to demonstrate entry level skills in print reading and cost estimation as well as composite wall construction and bonding.	10	12
2020-2021	933402	INTRODUCTION TO COMPUTER-AIDED DESIGN	This course teaches the basic techniques and concepts used in setting up a computer-aided software program on a personal computer to make technical drawings. Students use AutoCAD in application of drawing/design techniques. Students will be expected to draw proper basic multi-view drawings using AutoCAD by the completion of the course.	10	12
2020-2021	933403	MECHANICAL DRAWING	This course covers the basic principles and practices in mechanical drafting/design incorporating computer-aided drafting equipment. The use of proper lines, dimensions, and notations are covered in regard to multi-view orthographic drawings. Students will be expected to draw the proper views of objects using computer-aided drafting software.	10	12
2020-2021	933404	ARCHITECTURAL DRAWING	This course covers the basics of architectural drawings related to residential and small commercial applications using computer-aided drafting equipment. Topics covered will be basic floor plans, light construction methods and materials, roofs, stair construction, layout, utilities, windows, doors, wall, and necessary detail drawings. The student will be expected to make basic architectural drawings using computer-aided software.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	933405	ARCHITECTURAL DRAWING II	This course covers the basics of architectural drawings related to residential, small commercial and industrial applications using computer-aided drafting equipment. Topics covered will be basic floor plans, light construction methods and materials, roofs, stair construction, layout, utilities, windows, doors, wall, and necessary detail drawings. The student will be expected to make basic architectural drawings using computer-aided software.	10	12
2020-2021	933406	AUTOCAD CADD	This course covers the concepts and commands necessary to use AutoCAD software for computer-aided drafting/design purposes. Topics include basic screen features, equipment, software limitations, view presentations, plotting of drawings, and scaling as applied to basic drafting/design technical drawings. The students will be expected to use the AutoCAD software commands and the computer equipment to start and complete basic multi-view drawings.	10	12
2020-2021	933410	SOLID WORKS CADD	This course introduces the student to parametric, feature-based, solid modeling using the 3-D concepts of SOLID WORKS computer-aided design software. This course covers the commands, concepts, views, dimensioning, and techniques to design solid-model parts quicker than 2-D software. The student will be able to use SOLID WORKS computer-aided design software to properly draw the views necessary to manufacture a part.	10	12
2020-2021	933412	ADVANCED MECHANICAL DRAWINGS	This course focuses on the application of standards used in drafting/designing auxiliary, section, detail, and assembly views using computer-aided drafting/design software. Topics include the proper use and techniques of computer-aided drafting/design, the arrangement of auxiliary, detail, and section views. The student will be expected to apply the skills and techniques to make technical drawings using computer-aided drafting/design software.	10	12
2020-2021	933417	ELECTRICAL & ELECTRONIC DESIGN	This course covers the design concepts related to electrical and electronic technical prints. The topics covered are symbols, circuit analysis, drawing types, components, functions of components, schematics, programmable logic control circuits, ladder logic control circuits, motor control circuits, and specifications. The student will use computer-aided software to design and draw the proper technical prints for and electrical and/pr electronic applications.	10	12
2020-2021	933601	MECHANICAL TOOLS I	This course offers an introduction into basic hand tools, machining, shop safety, quality measurement devices (e.g. tape measures, calipers, micrometers), control charts, tolerancing, and use of gages.	10	12
2020-2021	933602	MECHANICAL TOOLS II	This course offers continued emphasis on shop safety, quality measurement devices, and expands total quality management techniques such as control charts and SPC (statistical process control). Students will gain actual experience in processing work, selecting cutting tools, and setting feeds and speeds using manually operated machines. In addition, students will learn how to program and operate CNC (Computerized Numerical Control) equipment.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	934201	BASIC MACHINING TECHNOLOGY	This course introduces machining operations as they relate to the metalworking industry. Topics include machine shop safety, measuring tools, lathes, drilling machines, saws, milling machines, bench grinders, and layout instruments. Upon completion, students should be able to safely perform the basic operations of measuring, layout, drilling, sawing, turning, and milling.	10	12
2020-2021	934202	INTERMEDIATE MACHINING TECHNOLOGY	This course provides additional instruction and practice in the use of precision measuring tools, lathes, milling machines, and grinders. Emphasis is placed on setup and operation of machine tools including the selection and use of work holding devices, speeds, feeds, cutting tools, and coolants. Upon completion, students should be able to perform basic procedures on precision grinders and advanced operations of measuring, layout, drilling, sawing, turning, and milling.	10	12
2020-2021	934203	ADVANCED MACHINING TECHNOLOGY	This course provides an introduction to advanced and special machining operations. Emphasis is placed on working to specified tolerances with special and advanced setups. Upon completion, students should be able to produce a part to specifications.	10	12
2020-2021	934204	BASIC MACHINING CALCULATIONS	This course introduces basic calculations as they relate to machining occupations. Emphasis is placed on basic calculations and their applications in the machine shop. Upon completion, students should be able to perform basic shop calculations.	10	12
2020-2021	934205	LATHES	This course covers the operation and safety practices for engine lathes. Topics include turning, grinding, boring, chamfering, necking, grooving, and threading. Upon completion, students should be able to safely operate an engine lathe using appropriate attachments.	10	12
2020-2021	934206	MILLING MACHINES	This course covers manual milling operations. Emphasis is placed on related safety, types of milling machines and their uses, cutting speed, feed calculations, and set-up and operation procedures. Upon completion, students should be able to apply manual vertical milling techniques to produce machine tool projects.	10	12
2020-2021	934208	INTRODUCTION TO COMPUTER NUMERICAL CONTROL	This course introduces the concepts and capabilities of computer numeric control (CNC) machine tools. Topics include setup, operation, and basic applications. Upon completion, students should be able to develop a basic CNC program to safely operate a lathe and milling machine.	10	12
2020-2021	934212	BASIC BLUEPRINT READING FOR MACHINISTS	This course covers the basic principles of blueprint reading and sketching. Topics include multi-view drawings; interpretation of conventional lines; and dimensions, notes, and thread notations. Upon completion, students should be able to interpret basic drawings, visualize parts, and make pictorial sketches.	10	12
2020-2021	934230	INTRODUCTION TO MACHINING TECHNOLOGY	Theory 1. Lab 2. This course introduces precision machining processes as they relate to the metalworking industry. Topics include machine shop safety, precision measuring tools, lathes, drilling machines, saws, milling machines, bench grinders, and layout instruments. Upon completion, students should be able to safely perform basic measurement and layout, drilling, sawing, turning, and milling to make parts and tools.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	934401	MACHINING TECHNOLOGY I	This course introduces machining operations as they relate to the metalworking industry. Topics include machine shop safety, measuring tools, lathes, saws, milling machines, grinding machines, and layout instruments. Upon completion, students will be able to perform the basic operations of measuring, layout, grinding, drilling, sawing, turning, and milling.	10	12
2020-2021	934402	MACHINING TECHNOLOGY II	This course provides additional instruction and practice in the use of measuring tools, lathes, milling machines, and grinders. Emphasis is placed on setup and operation of machine tools including the selection of work holding devices, speeds, feeds, cutting tools and coolants. Upon completion, students should be able to perform intermediate level procedures of precision grinding, measuring, layout, drilling, sawing, turning, and milling.	10	12
2020-2021	934403	MACHINING CALCULATIONS I	This course introduces basic calculations as they relate to machining occupations. Emphasis is placed on basic calculations and their applications in the machine shop. Upon completion, students should be able to perform basic shop calculations. This course is aligned with NIMS certification standards.	10	12
2020-2021	934404	MACHINE HANDBOOK FUNCTIONS I	This course covers the machinist's handbook. Emphasis is placed on formulas, tables, usage and related information. Upon completion, students should be able to use the handbook in the calculation and set up of machine tools.	10	12
2020-2021	934405	ORIENTATION TO COMPUTER ASSISTED MANUFACTURING	This course serves as an overview and introduction to computer assisted manufacturing (CAM) and prepares students for more advanced CAM courses. Topics covered are basic concepts and terminology, CAM software environments, navigation commands and file management, 2-D geometry, construction modification, and toolpath generation for CAM machining processes.	10	12
2020-2021	934406	BASIC PRINT READING FOR MACHINISTS	This course covers the basic principles of print reading and sketching. Topics include multi-view drawings; interpretation of conventional lines; and dimensions, notes, and thread notations. Upon completion, students should be able to interpret basic drawings, visualize parts, and make pictorial sketches.	10	12
2020-2021	934409	METROLOGY	This course covers the use of precision measuring instruments. Emphasis is placed on the inspection of machine parts and use of a wide variety of measuring instruments. Upon completion students should be able to demonstrate correct use of measuring instruments.	10	12
2020-2021	934413	LATHE OPERATIONS I	This course includes more advanced lathe practices such as set-up procedures, work planning, inner- and outer-diameter operations, and inspection and process improvement. Additional emphasis is placed on safety procedures. Upon completion, students will be able to apply advanced lathe techniques.	10	12
2020-2021	934414	LATHE OPERATIONS I LAB	This course includes more advanced lathe practices such as set-up procedures, work planning, inner- and outer-diameter operations, and inspection and process improvement. Additional emphasis is placed on safety procedures. Upon completion, students will be able to apply advanced lathe techniques.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	934415	MILLING OPERATIONS	This course covers manual milling operations. Emphasis is placed on related safety, types of milling machines and their uses, cutting speed, feed calculations, and set-up and operation procedures. Upon completion, students should be able to apply manual milling techniques (vertical and horizontal/universal) to produce machine tool projects.	10	12
2020-2021	934416	MILLING I	This course covers manual milling operations. Emphasis is placed on related safety, types of milling machines and their uses, cutting speed, feed calculations, and set-up and operation procedures. Upon completion, students should be able to apply manual vertical milling techniques to produce machine tool projects.	10	12
2020-2021	934417	MILLING 1 LAB	This course provides basic knowledge of milling machines. . Emphasis is placed on types of milling machines and their uses, cutting speed, feed calculations, and set-up procedures. Upon completion, students should be able to apply milling techniques to produce machine tool projects.	10	12
2020-2021	934418	BASIC COMPUTER NUMERICAL CONTROL	This course introduces the concepts and capabilities of computer numeric control (CNC) machine tools. Topics include setup, operation, and basic applications. Upon completion, students should be able to develop a basic CNC program to safely operate a lathe and milling machine.	10	12
2020-2021	934419	BASIC COMPUTER NUMERICAL CONTROL TURNING PROGRAMMING I	This course covers concepts associated with basic programming of a computer numerical control (CNC) turning center. Topics include basic programming characteristics, motion types, tooling, workholding devices, setup documentation, tool compensations, and formatting. Upon completion, students should be able to write a basic CNC turning program that will be used to produce a part.	10	12
2020-2021	934420	BASIC COMPUTER NUMERIC CONTROL MILLING PROGRAMMING I	This course covers concepts associated with basic programming of a computer numerical control (CNC) milling center. Topics include basic programming characteristics, motion types, tooling, workholding devices, setup documentation, tool compensations, and formatting. Upon completion, students should be able to write a basic CNC milling program that will be used to produce a part.	10	12
2020-2021	934424	INTRODUCTION TO MACHINE SHOP I	This course introduces machining operations as they relate to the metalworking industry. Topics include machine shop safety, measuring tools, lathes, saws, milling machines, bench grinders, and layout instruments. Upon completion, students will be able to perform the basic operations of measuring, layout, drilling, sawing, turning, and milling.	10	12
2020-2021	934425	INTRODUCTION TO MACHINE SHOP I LAB	This course provides practical application of the concepts and principles of machining operations learned in MTT 147. Topics include machine shop safety, measuring tools, lathes, saws, milling machines, bench grinders, and layout instruments. Upon completion, students will be able to perform the basic operations of measuring, layout, drilling, sawing, turning, and milling.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	934426	INTRODUCTION TO MACHINE SHOP II	This course provides additional instruction and practice in the use of measuring tools, lathes, milling machines, and grinders. Emphasis is placed on setup and operation of machine tools including the selection of work holding devices, speeds, feeds, cutting tools and coolants. Upon completion, students should be able to perform intermediate level procedures of precision grinding, measuring, layout, drilling, sawing, turning, and milling.	10	12
2020-2021	934427	INTRODUCTION TO MACHINE SHOP II LAB	This course provides additional instruction and practice in the use of measuring tools, lathes, milling machines, and grinders. Emphasis is placed on setup and operation of machine tools including the selection of work holding devices, speeds, feeds, cutting tools and coolants. Upon completion, students should be able to perform intermediate level procedures of precision grinding, measuring, layout, drilling, sawing, turning, and milling.	10	12
2020-2021	934431	INTERMEDIATE BLUEPRINT READING FOR MACHINISTS	The purpose of this course is for students to further apply knowledge and skills with reading and interpreting blue prints for machining operations. Specific topics include: calculating missing dimensions from drawings, drawing different views of an object, knowledge of features and types of threads and fasteners used in mechanical objects, types of surface requirements on blueprints, and interpreting blueprints for casting and weldments.	10	12
2020-2021	934802	BEGINNING KEYBOARDING	This course is designed to enable the student to use the touch method of keyboarding through classroom instruction and outside lab. Emphasis is on speed and accuracy in keying alphabetic, symbol, and numeric information using a keyboard. Upon completion, the student should be able to demonstrate proper technique and an acceptable rate of speed and accuracy, as defined by the course syllabus, in the production of basic business documents such as memoranda, letters, reports, etc.	10	12
2020-2021	934803	INTERMEDIATE KEYBOARDING	This course is designed to assist the student in increasing speed and accuracy using the touch method of keyboarding through classroom instruction and lab exercises. Emphasis is on the production of business documents such as memoranda, letters, reports, tables, and outlines from unarranged rough draft to acceptable format. Upon completion, the student should be able to demonstrate proficiency and an acceptable rate of speed and accuracy, as defined by the course syllabus, in the production of business documents.	10	12
2020-2021	934804	ADVANCED KEYBOARDING	This course is designed to assist the student in continuing to develop speed and accuracy using the touch method of keyboarding through classroom instruction and lab exercises. Emphasis is on the production of business documents using decision-making skills. Upon completion, the student should be able to demonstrate proficiency and an acceptable rate of speed and accuracy, as defined by the course syllabus, in the production of high-quality business documents.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	934805	COMPUTER NAVIGATION	This course is designed to introduce the student to the MS Windows® environment through classroom instruction. Emphasis is on Windows as a graphical user interface and includes operations and applications that use the windows environment. Upon completion, the student should be able to demonstrate proficiency in the operation and management of hardware and software as defined by the course syllabus.	10	12
2020-2021	934807	WORD PROCESSING	This course is designed to provide the student with basic word processing skills through classroom instruction and outside lab. Emphasis is on the utilization of software features to create, edit, and print common office documents. Upon completion, the student should be able to demonstrate the ability to use industry-standard software to generate appropriately formatted, accurate, and attractive business documents such as memoranda, letters, and reports.	10	12
2020-2021	934808	ADVANCED WORD PROCESSING	This course is designed to increase student proficiency in using advanced word processing functions. Emphasis is on the use of industry-standard software to maximize productivity. Upon completion, the student should be able to demonstrate the ability to generate complex documents such as forms, newsletters, and multi-page documents.	10	12
2020-2021	934809	BUSINESS LAW	This course is designed to introduce the student to the fundamentals of business law affecting consumers and citizens. Emphasis is on principles of law dealing with contracts, sales, and commercial papers. Upon completion, the student should be able to demonstrate an understanding of the legal issues affecting business transactions.	10	12
2020-2021	934810	ELECTRONIC CALCULATIONS	This course is designed to give students a job-level competency in using the ten-key touch method and develop the student's ability to solve common business problems with an electronic display-printing calculator. Emphasis is placed on basic mathematical functions in a business context. Upon completion students will be able to perform basic electronic calculating at an acceptable rate of speed and accuracy.	10	12
2020-2021	934811	BUSINESS ENGLISH	This course is designed to develop the student's ability to use proper English. Emphasis is on grammar, spelling, vocabulary, punctuation, word usage, word division, and proofreading. Upon completion, the student should be able to communicate effectively.	10	12
2020-2021	934812	BUSINESS COMMUNICATIONS	This course is designed to provide the student with skills necessary to communicate effectively. Emphasis is on the application of communication principles to produce clear, correct, logically-organized business communications. Upon completion, the student should be able to demonstrate effective communication techniques in written, oral, and nonverbal communications.	10	12
2020-2021	934813	CAREER & PROFESSIONAL DEVELOPMENT	This course is designed to assist the student in preparing for employment. Emphasis is on developing resumes, improving interview techniques, participating in mock interviews, setting goals, conducting job searches, and improving personal and professional image. Upon completion, the student will be able to demonstrate confidence in seeking employment.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	934814	FINANCIAL RECORD KEEPING	This course is designed to provide the student with an understanding of the accounting concepts, principles, and terminology. Emphasis is on the accounting cycle and equation as they relate to different types of business ownership. Upon completion, the student should be able to demonstrate accounting procedures used in a proprietorship, partnership, and corporation.	10	12
2020-2021	934817	RECORDS/INFORMATION MANAGEMENT	This course is designed to give the student knowledge about managing office records and information. Emphasis is on basic filing procedures, methods, systems, supplies, equipment, and modern technology used in the creation, protection, and disposition of records stored in a variety of forms. Upon completion, the student should be able to perform basic filing procedures.	10	12
2020-2021	934819	LEGAL TERMINOLOGY	This course is designed to familiarize the student with legal terminology. Emphasis is on the spelling, definition, pronunciation, and usage of legal terms. Upon completion, the student should be able to communicate effectively using legal terminology.	10	12
2020-2021	934822	MEDICAL TERMINOLOGY	This course is designed to familiarize the student with medical terminology. Emphasis is on the spelling, definition, pronunciation, and usage of medical terms. Upon completion, the student should be able to communicate effectively using medical terminology.	10	12
2020-2021	934825	MEDICAL OFFICE PROCEDURES	This course focuses on the responsibilities of professional support personnel in a medical environment. Emphasis is on medical terms, the production of appropriate forms and reports, and office procedures and practices. Upon completion, the student should be able to perform office support tasks required for employment in a medical environment.	10	12
2020-2021	934826	HEALTH INFORMATION MANAGEMENT	This course is designed to promote an understanding of the structure, analysis, and management of medical records. Emphasis is on managing medical and insurance records, coding of diseases, operations and procedures, and the legal aspects of medical records. Upon completion, the student should be able to maintain medical records efficiently.	10	12
2020-2021	934828	OFFICE MANAGEMENT	This course is designed to develop skills necessary for supervision of office functions. Emphasis is on issues relating to the combination of people and technology in achieving the goals of business in a culturally diverse workplace, including the importance of office organization, teamwork, workplace ethics, office politics, and conflict-resolution skills. Upon completion, the student should be able to demonstrate effective supervision in the modern office.	10	12
2020-2021	934829	OFFICE PROCEDURES	This course is designed to develop an awareness of the responsibilities and opportunities of the office professional through classroom instruction. Emphasis is on current operating functions, practices and procedures, work habits, attitudes, oral and written communications, and professionalism. Upon completion, the student should be able to demonstrate the ability to effectively function in an office support role.	10	12

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2020-2021	934832	COMPUTERIZED DESKTOP PUBLISHING	This course is designed to introduce the student to the elements and techniques of page design, layout, and typography through classroom instruction and lab exercises. Emphasis is on the use of current commercial desktop publishing software, graphic tools, and electronic input/output devices to design and print high-quality publications such as newsletters, brochures, catalogs, forms, and flyers. Upon completion, the student should be able to utilize proper layout and design concepts in the production of attractive desktop published documents.	10	12
2020-2021	934838	OFFICE INTERNSHIP	This course is designed to provide the students with an opportunity to work in an office environment. Emphasis is on the efficient and accurate performance of job tasks. Upon completion, the student should be able to demonstrate successful performance of skills required in an office support position.	10	12
2020-2021	934839	SPREADSHEET APPLICATIONS	This course is designed to provide the student with a firm foundation in the use of computerized equipment and appropriate software in performing spreadsheet tasks through classroom instruction and lab exercises. Emphasis is on spreadsheet terminology and design, common formulas, and proper file and disk management procedures. Upon completion, the student should be able to use spreadsheet features to design, format, and graph effective spreadsheets.	10	12
2020-2021	934840	DATABASE APPLICATIONS	This course is designed to provide the student with an understanding of the concepts of database management through classroom instruction and lab exercises. Emphasis is on the use of database software for business applications. Upon completion, the student should be able to create and manipulate data files and format output such as documents and reports.	10	12
2020-2021	935601	INTRODUCTION TO PARALEGAL STUDY	This course introduces the paralegal profession and the legal system. Topics include an overview of major areas of legal practice, ethics, legal analysis and research, professional development including certification and employment, and related topics.	10	12
2020-2021	935602	BASIC RESEARCH AND WRITING	This course introduces the techniques of legal research and writing. Emphasis is placed on locating, analyzing, applying, and validating sources of law. Topics include legal research, legal writing, proper citation, and electronic research. This is a CORE course.	10	12
2020-2021	935603	ADVANCED LEGAL RESEARCH AND WRITING	This course requires the student to apply research, analysis, and writing techniques to substantive legal issues. Assignments include preparation of legal memoranda and other documents and the more efficient use of electronic research methods.	10	12
2020-2021	935604	COMMERCIAL LAW	This course covers contracts, selected portions of the Uniform Commercial Code, and forms of business organization. This is a CORE course.	10	12
2020-2021	935605	CRIMINAL LAW AND PROCEDURE	This course introduces substantive and procedural criminal law including elements of state and federal crimes, defenses, constitutional issues, pre-trial process, and other related topics. This is a CORE course.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	935606	SELECTED TOPICS IN PARALEGAL	This course provides an opportunity to explore areas of current interest in specific program or discipline areas. Emphasis is placed on subject matter appropriate to the program or discipline.	10	12
2020-2021	935607	REAL PROPERTY LAW	This course emphasizes the study of real property law. Topics include the distinction between real and personal property, various estates and interests in property, and the mechanics of conveyance, encumbrances, and closing procedures. This is a CORE course.	10	12
2020-2021	935608	CORPORATE LAW	This course covers the legal aspects of creating, operating, and maintaining a business and includes a review of commonly used forms of business organization.	10	12
2020-2021	935609	DOMESTIC LAW	This course covers laws governing domestic relations. Topics include marriage, separation, divorce, child custody, support, property division, adoption, domestic violence, and other related topics. This is a CORE course	10	12
2020-2021	935610	WILLS, TRUSTS, AND ESTATES	This course covers wills, trusts, and inheritance. Topics include types of wills, the law of intestacy (inheritance), probating estates, and alternatives to probate. The course also covers trusts, medical directives, and associated litigation. This is a CORE course.	10	12
2020-2021	935611	BANKRUPTCY AND COLLECTIONS	This course provides an overview of the laws of bankruptcy and the rights of creditors and debtors. Topics include bankruptcy procedures and estate management, attachment, claim and delivery, repossession, foreclosure, collection, garnishment, and post-judgment collection procedure.	10	12
2020-2021	935612	CIVIL LAW AND PROCEDURE	This course examines the Federal Rules of Civil Procedure, the Alabama Rules of Civil Procedure, and trial procedure. This is a CORE course.	10	12
2020-2021	935613	CONSTITUTIONAL LAW	This course is designed to give an overview of the United States Constitution and its application in the American Legal System.	10	12
2020-2021	935614	LAW OFFICE MANAGEMENT AND PROCEDURES	This course focuses on the management, organization and policies and procedures of a law office.	10	12
2020-2021	935615	INTERNSHIP	This course provides students opportunities to work in paid or unpaid positions in which they apply paralegal skills and knowledge. This course requires a minimum of 100 hours of practical experience in the legal field.	10	12
2020-2021	936801	Beginning Keyboarding	This course is designed to enable the student to use the touch method of keyboarding. Emphasis is on speed and accuracy in keying alphabetic, symbol, and numeric information using the typewriter or microcomputer keyboard. Upon completion, the student should be able to demonstrate proper technique and an acceptable rate of speed and accuracy, as defined by the course syllabus, in the production of basic business documents such as memos, letters, reports, and tables.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	936802	INTERMEDIATE KEYBOARDING	This course is designed to assist the student in increasing speed and accuracy using the touch method of keyboarding through classroom instruction and lab exercises. Emphasis is on the production of business documents such as memoranda, letters, reports, tables, and outlines from unarranged rough draft to acceptable format. Upon completion, the student should be able to demonstrate proficiency and an acceptable rate of speed and accuracy, as defined by the course syllabus, in the production of business documents.	10	12
2020-2021	936803	Advanced Keyboarding	This course is designed to assist the student in continuing to develop speed and accuracy using the touch method of keyboarding. Emphasis is on the production of business documents using decision-making skills. Upon completion, the student should be able to demonstrate proficiency and an acceptable rate of speed and accuracy in the production of business documents.	10	12
2020-2021	936804	COMPUTER NAVIGATION	This course is designed to introduce the student to the MS Windows® environment through classroom instruction. Emphasis is on Windows as a graphical user interface and includes operations and applications that use the windows environment. Upon completion, the student should be able to demonstrate proficiency in the operation and management of hardware and software as defined by the course syllabus.	10	12
2020-2021	936805	BASIC WORD PROCESSING	This course is designed to provide the student with basic word processing skills through classroom instruction and outside lab. Emphasis is on the utilization of software features to create, edit, and print common office documents. Upon completion, the student should be able to demonstrate the ability to use industry-standard software to generate appropriately formatted, accurate, and attractive business documents such as memoranda, letters, and reports.	10	12
2020-2021	936806	ADVANCED WORD PROCESSING	This course is designed to increase student proficiency in using advanced word processing functions. Emphasis is on the use of industry-standard software to maximize productivity. Upon completion, the student should be able to demonstrate the ability to generate complex documents such as forms, newsletters, and multi-page documents.	10	12
2020-2021	936807	BUSINESS LAW	This course introduces the student to the fundamentals of business law affecting consumers and citizens. Emphasis is on contracts, sales, and commercial papers. Upon completion, the student should be able to demonstrate an understanding of legal issues affecting business transactions.	10	12
2020-2021	936808	ELECTRONIC CALCULATIONS	This course is designed to give students a job-level competency in using the ten-key touch method and develop the student's ability to solve common business problems with an electronic display-printing calculator. Emphasis is placed on basic mathematical functions in a business context. Upon completion students will be able to perform basic electronic calculating at an acceptable rate of speed and accuracy.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	936809	BUSINESS COMMUNICATIONS	This course is designed to provide the student with skills necessary to communicate effectively. Emphasis is on the application of communication principles to produce clear, correct, logically-organized business communications. Upon completion, the student should be able to demonstrate effective communication techniques in written, oral, and nonverbal communications.	10	12
2020-2021	936810	CAREER AND PROFESSIONAL DEVELOPMENT	This course is designed to assist the student in preparing for employment. Emphasis is on developing resumes, improving interview techniques participating in mock interviews, setting goals, conducting job searches and improving personal and professional image. Upon completion, the student will able to demonstrate confidence in seeking employment.	10	12
2020-2021	936823	OFFICE PROCEDURES	This course is designed to develop an awareness of the responsibilities and opportunities of the office professional. Emphasis is on current operating functions, practices and procedures, work habits, attitudes, oral and written communications, and professionalism. Upon completion, the student should be able to demonstrate the ability to effectively function in an office support role.	10	12
2020-2021	936828	SPREADSHEET APPLICATIONS	This course provides the student with skills needed in performing spreadsheet tasks. Emphasis is on spreadsheet terminology and design, common formulas, and proper file and disk management procedures. Upon completion, the student should be able to design, format, and graph effective spreadsheets.	10	12
2020-2021	936829	DATABASE CONCEPTS	This course is designed to provide the student with an understanding of the concepts of database management through classroom instruction and lab exercises. Emphasis is on the use of database software for business applications. Upon completion, the student should be able to create and manipulate data files and format output such as documents and reports.	10	12
2020-2021	938201	ELECTRICAL FUNDAMENTALS	This course introduces the principles of basic Electrical / Electronic concepts and fundamentals. Topics include basic DC theory, types of diagnostic equipment, circuit protection, wire repair, use of wiring diagrams, airbag modules, and impact sensors. Upon completion, students should be able to identify components, test systems, and repair minor electrical problems according to manufacturer's literature.	10	12
2020-2021	938202	BRAKING SYSTEMS	This course covers the theory and repair of braking systems and various other mechanical repairs. Emphasis is placed on the practical application of brakes. Upon completion, students should be able to troubleshoot, adjust and repair braking systems.	10	12
2020-2021	938203	STEERING AND SUSPENSION	This course introduces students to the various types of suspension and steering systems. Emphasis is placed on the practical application of steering and suspension. Upon completion, students should be able to troubleshoot, adjust, and repair suspension and steering components.	10	12

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2020-2021	938204	MOTOR VEHICLE AIR CONDITIONING	This course provides basic instruction in theory, operation, and repair of heating and air conditioning/refrigeration systems. Topics include operation theory, safety, maintenance, recycling and recovery procedures, recharging procedures, troubleshooting procedures, refrigerant leaks, and system repairs. Emphasis is placed on the understanding and repair of air conditioning and heating systems, including but not limited to air management, electrical and vacuum controls, refrigerant recovery, and component replacement.	10	12
2020-2021	938601	SMAW FILLET/OFC	This course provides the student with instruction on safety practices and terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of oxy-fuel cutting.	10	12
2020-2021	938602	SMAW FILLET/PAC/CAC	This course provides the student with instruction on safety practices and terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of carbon arc cutting and plasma arc cutting.	10	12
2020-2021	938603	INDUSTRIAL BLUEPRINT READING	This course provides students with the understanding and fundamentals of industrial blueprint reading. Emphasis is placed on reading and interpreting lines, views, dimensions, weld joint configurations and weld symbols. Upon completion students should be able to interpret welding symbols and blueprints as they apply to welding and fabrication.	10	12
2020-2021	938604	GTAW CARBON PIPE	This course is designed to provide the student with the practices and procedures of welding carbon pipe using the gas tungsten arc weld (GTAW) process. Emphasis is placed on pipe positions, filler metal selection, purging gasses, joint geometry joint preparation and fit-up. Upon completion, students should be able to identify pipe positions, filler metals, purging gas, proper joint geometry, joint preparation and fit-up to the applicable code.	10	12
2020-2021	938605	GTAW STAINLESS PIPE	This course is designed to provide the student with the practices and procedures of welding stainless steel pipe using the gas tungsten arc weld (GTAW) process. Emphasis is placed on pipe positions, filler metal selection, purging gasses, joint geometry, joint preparation and fit-up. Upon completion, students should be able to identify pipe positions, filler metals, purging gas, proper joint geometry, joint preparation, and fit-up to the applicable code.	10	12
2020-2021	938606	GAS METAL ARC/FLUX FORED ARC WELDING	This course introduces the student to the gas metal arc and flux cored arc welding process. Emphasis is placed on safe operating practices, handling and storage of compressed gasses, process principles, component identification, various welding techniques and base and filler metal identification.	10	12

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2020-2021	938607	SHIELDED METAL ARC WELDING GROOVE	This course provides the student with instruction on joint design, joint preparation, and fit-up of groove welds in accordance with applicable welding codes. Emphasis is placed on safe operation, joint design, joint preparation, and fit-up. Upon completion, students should be able to identify the proper joint design, joint preparation and fit-up of groove welds in accordance with applicable welding codes.	10	12
2020-2021	938608	SMAW FILLET/OFC LAB	This course is designed introduce the student to the proper set-up and operation of the shielded metal arc welding equipment. Emphasis is placed on striking and controlling the arc, and proper fit up of fillet joints. This course is also designed to instruct students in the safe operation of oxy-fuel cutting. Upon completion, students should be able to make fillet welds in all positions using electrodes in the F-3 groups in accordance applicable welding code and be able to safely operate oxy-fuel equipment and perform those operations as per the applicable welding code.	10	12
2020-2021	938609	SMAW FILLET/ PAC/CAC LAB	This course is designed introduce the student to the proper set-up and operation of the shielded metal arc welding equipment. Emphasis is placed on striking and controlling the arc, and proper fit up of fillet joints. This course is also designed to instruct students in the safe operation of plasma arc and carbon arc cutting. Upon completion, students should be able to make fillet welds in all positions using electrodes in the F-4 groups in accordance with applicable welding code and be able to safely operate plasma arc and carbon arc equipment and perform those operations as per applicable welding code.	10	12
2020-2021	938610	GAS METAL ARC/FLUX CORED ARC WELDING LAB	This course provides instruction and demonstration using the various transfer methods and techniques to gas metal arc and flux cored arc welds. Topics included are safety, equipment set-up, joint design and preparation, and gases.	10	12
2020-2021	938611	SHIELDED METAL ARC WELDING GROOVE LAB	This course provides instruction and demonstrations in the shielded metal arc welding process on carbon steel plate with various size F3 and F4 group electrodes in all positions. Emphasis is placed on welding groove joints and using various F3 and F4 group electrodes in all positions. Upon completion, the student should be able to make visually acceptable groove weld joints in accordance with applicable welding codes.	10	12
2020-2021	938612	GTAW CARBON PIPE LAB	This course is designed to provide the student with the skills in welding carbon steel pipe with gas tungsten arc welding techniques in various pipe weld positions. Upon completion, students should be able to perform gas tungsten arc welding on carbon steel pipe with the prescribed filler metals in various positions in accordance with the applicable code.	10	12
2020-2021	938613	GTAW STAINLESS PIPE LAB	This course is designed to provide the student with the skills in welding stainless steel pipe with gas tungsten arc welding techniques in various pipe weld positions. Upon completion, students should be able to perform gas tungsten arc welding on stainless steel pipe with the prescribed filler metals in various positions in accordance with the applicable code.	10	12

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2020-2021	938614	CONSUMABLE WELDING PROCESSES	This course provides instruction and demonstration with the consumable welding processes to produce groove and fillet welds in all positions, according to applicable welding codes. Topics include safe operating practices, equipment identification, equipment set-up, correct selection of electrode, current/polarity, shielding gas and base metals.	10	12
2020-2021	938615	CONSUMABLE WELDING PROCESSES LAB	This course provides instruction and demonstration with the consumable welding processes to produce groove and fillet welds in all positions, according to applicable welding codes. Topics include safe operating practices, equipment identification, equipment set-up, correct selection of electrode, current/polarity, shielding gas and base metals. Upon completion, the student should be able to produce groove and fillet welds using consumable welding processes according to AWS Codes and standards.	10	12
2020-2021	938619	FLUX CORE ARC WELDING (FCAW)	This course provides instruction and demonstration with the flux core arc welding process to produce groove and fillet welds in all positions, according to applicable welding codes. Topics include safe operating practices, equipment identification, equipment set-up, correct selection of filler metals, current/polarity, shielding gas and base metals. Upon completion, the student should be able to produce groove and fillet welds using the FCAW welding process, according to AWS Codes and Standards	10	12
2020-2021	938620	FLUX CORE ARC WELDING LAB	This course provides instruction and demonstration with the flux core arc welding process to produce groove and fillet welds in all positions, according to applicable welding codes. Topics include safe operating practices, equipment identification, equipment set-up, correct selection of filler metals, current/polarity, shielding gas and base metals. Upon completion, the student should be able to produce groove and fillet welds using the FCAW welding process, according to AWS Codes and Standards.	10	12
2020-2021	938622	SMAW CARBON PIPE	This course introduces the student to the practices and procedures of welding carbon steel pipe using the shielded metal arc weld (SMAW) process. Emphasis is placed on pipe positions, electrode selection, joint geometry, joint preparation and fit-up. Upon completion, students should be able to identify pipe positions, electrodes, proper joint geometry, joint preparation, and fit-up in accordance with applicable codes.	10	12
2020-2021	938624	WELDING INSPECTION/TESTING	This course provides the student with inspection skills and knowledge necessary 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 completion, students should be able to visually identify visual acceptable weldments as prescribed by the code or welding specification report.	10	12
2020-2021	938625	PIPEFITTING AND FABRICATION	This course provides the student with skills and practices necessary for fabricating pipe plans using pipe and fittings. Emphasis is placed on various pipe fittings to include various degree angles. Upon completion, students should be able to fit various pipe fittings, and cut and fabricate tees, and assorted angles.	10	12

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2020-2021	938626	BLUEPRINT READING FOR FABRICATION	This course provides a student with advanced skills in identifying and interpreting lines, views, dimensions, notes, bill of materials, and the use of tools of the trade. Emphasis is placed on figuring dimensional tolerances, layout and fitting of different component parts. Upon course completion, a student should be able to interpret, layout, and fabricate from blueprints to given tolerances.	10	12
2020-2021	938627	GAS TUNGSTEN ARC WELDING	This course provides student with knowledge needed to perform gas tungsten arc welds using ferrous and/or non-ferrous metals, according to applicable welding codes. Topics include safe operating practices, equipment identification and set-up, correct selection of tungsten type, polarity, shielding gas and filler metals. Upon completion, a student should be able to identify safe operating practices, equipment identification and setup, correct selection of tungsten type, polarity, shielding gas, filler metals, and various welds on ferrous and/or non-ferrous metals, using the gas tungsten arc welding process according to applicable welding codes.	10	12
2020-2021	938632	SMAW CARBON PIPE LAB	This course is designed to provide the student with the skills in welding carbon steel pipe with shielded metal arc welding techniques in various pipe welding positions. Upon completion, students should be able to perform shielded metal arc welding on carbon steel pipe with the prescribed electrodes in various positions in accordance with the applicable codes.	10	12
2020-2021	938634	GAS TUNGSTEN ARC LAB	This course provides student with skills needed to perform gas tungsten arc welds using ferrous and/or non-ferrous metals, according to applicable welding codes. Topics include safe operating practices, equipment identification and set-up, correct selection of tungsten type, polarity, shielding gas and filler metals. Upon completion, a student should be able to identify safe operating practices, equipment identification and setup, correct selection of tungsten type, polarity, shielding gas, filler metals, and various welds on ferrous and/or non-ferrous metals, using the gas tungsten arc welding process according to applicable welding codes.	10	12
2020-2021	938638	SMAW Fillet/OFC	This course provides the student with instruction and opportunities to develop skills with Shielded Metal Arc Welding (SMAW) processes. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of oxy-fuel cutting. Prerequisite: As required by college.	10	12

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2020-2021	938639	SMAW Fillet/PAC/CAC	This course provides students with instruction and opportunities to develop skills with Shielded Metal Arc Welding (SMAW processes. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides students with skills and knowledge necessary for the safe operation of carbon arc cutting and plasma arc cutting. Prerequisite: As required by college.	10	12
2020-2021	938640	SMAW GROOVE	Theory 2, Lab 4. This course provides students with instruction and opportunities to develop skills on joint design, joint preparation, and fit-up of groove welds in accordance with applicable welding codes. Emphasis is placed on safe operation, joint design, joint preparation, and fit-up.	10	12
2020-2021	938641	SMAW FILLET/OFC/PAC/CAC	Theory 2, Lab 1. This course provides the student with instruction on safety practices and terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of oxy-fuel cutting, plasma arc cutting and carbon arc cutting.	10	12
2020-2021	938642	INTRODUCTION TO THE MARITIME INDUSTRY	Theory 4. Lab 1. Introduces the facilities, methods, and processes used in the shipbuilding and repair industry. Describes the impact the industry has on the U.S. economy and explores the various craft opportunities available to workers. Provides an overview of the safety practices specific to the industry.	10	12
2020-2021	938643	INTRODUCTION TO MARITIME STRUCTURAL FITTING	Theory 2. Lab 2. This course is designed to cover Welding Safety, Oxyfuel Cutting, Base Metal Preparation, Weld Quality, Shielded Metal Arc Electrodes, Tack Welding, Fire Watch, Introduction to Structural Fitter Drawings, and Fitting One.	10	12
2020-2021	938644	INTRODUCTION TO APPLIED TECHNOLOGIES	The course is designed to introduce the student to the basic concepts, terminology and procedures associated with applied analytical skills needed to succeed in higher-level courses to include: basic mathematical applications, use of scientific calculators, measurements, and geometric and triangulation methods. Theory 3. Lab 0.	10	12
2020-2021	938801	WORKPLACE SKILLS DEVELOPMENT I	This course emphasizes foundational information for students to develop knowledge and skills to prepare them for employment following completion of technical and academic programs. As part of this course students will participate in WorkKeys assessment and research related to the Labor Management Information (LMI). At the conclusion of this course, students will have knowledge and skills relevant to work ethic, communication, resume writing, job interviewing, dress and appearance, behavior, problem solving, decision making, and project management.	10	12

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2020-2021	938802	WORKPLACE SKILL DEVELOPMENT II	This course is designed to access and develop skills necessary for success in the workplace. Students may receive computer assisted instruction under faculty supervision on such topics as applied mathematics, applied technology, reading for information, and locating information as well as classroom instruction in areas such as resume preparation and interviewing skills. Upon completion of the course, students will have developed a career credentials document, a comprehensive portfolio of their college work, including Work Keys scores.	10	12
2020-2021	938803	APPLIED TECHNOLOGY IV	This course is designed to enable students to solve problems involving a moderately complex system or the interaction of two or more simple systems. Students will be able to solve problems involving the operation of moderately complex tools, machines, and systems such as appliances, pulley-driven equipment, or piping systems that carry more than one fluid. Students must apply somewhat abstract and less intuitive elementary principles underlying the operation of physical systems to the solutions of work-related problems, such as block and tackle or cooling fins. Students will be able to identify information relevant to solving two-variable problem and disregard extraneous information. Students will be able to eliminate physical symptoms as the potential source of a problem or identify the best solution after eliminating other possibilities.	10	12
2020-2021	938804	WORKPLACE SKILLS	This course is an overview of issues relevant to the general workforce. The course is designed to enhance students' communication, lifelong learning, interpersonal, and decision-making skills in preparation for employment.	10	12
2020-2021	938805	WORKPLACE SKILLS PREPARATION	This course utilizes computer based instructional modules which are designed to access and develop skills necessary for workplace success. The instructional modules in the course include applied mathematics, applied technology, reading for information, and locating information. Upon completion of this course, students will be assessed to determine if their knowledge of the subject areas has improved.	10	12
2020-2021	938806	NCCER CORE	This course is designed to provide students with knowledge and skills related to multi-craft technicians in a variety of fields. Information in this course is based on the National Center for Construction Education and Research (NCCER) core curriculum and prepares students to test for the NCCER credential.	10	12
2020-2021	938808	MSSC Safety Course	Theory 1H, Lab 2H. This course is designed to provide students with knowledge and skills related to safety in a manufacturing environment. This course is equivalent to AUT 102.	10	12
2020-2021	938809	MSSC Quality Practices and Measurement	Theory 1H, Lab 2H. This course is designed to provide students with knowledge and skills related to quality practices and measurement in a manufacturing environment. This course is equivalent to ADM 106.	10	12
2020-2021	938810	MSSC MANUFACTURING PROCESSES AND PRODUCTION	Theory 1, Lab 2. Knowledge and skills related to manufacturing processes and production in a manufacturing environment	10	12

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2020-2021	938811	MSSC MAINTENANCE AWARENESS	Theory 1, Lab 2. Knowledge and skills related to maintenance awareness in a manufacturing environment	10	12
2020-2021	941201	Cardiopulmonary Resuscitation	This course provides students with concepts as related to areas of basic life support to include coronary artery disease, prudent heart living, symptoms of heart attack, adult one-and-two rescuer CPR, first aid for choking, pediatric basic life support, airway adjuncts, EMS system entry access, automated external defibrillation (AED), and special situations for CPR. Upon course completion, students should be able to identify situations requiring action related to heart or breathing conditions and effectively implement appropriate management for each condition. Students successfully completing this course will receive appropriate documentation of course completion.	10	12
2020-2021	941205	Emergency Medical Responder	This course provides theory in emergency procedures as contained in the current National Standard Training Curriculum (NSTC) for the First Responder. The course is an introduction to the emergency medical services system and provides fundamentals for students to improve the quality of emergency care provided as the first person to an emergency scene until emergency medical services arrive. Completion of specific student competencies, as outlined in the current NSTC for the First Responder, are required for successful course completion.	10	12
2020-2021	941206	Medical Terminology	This course provides students with a survey of words, terms, and descriptions commonly used in health related professions. The course includes spelling, pronunciation, and meaning of prefixes, suffixes, roots, and terms. Students may have the opportunity to utilize computer assisted instruction for learning various medical terms. Upon course completion, students should have the knowledge to associate a variety of medical terms with their meaning and utilize medical terms to effectively communicate with other health professionals.	10	12
2020-2021	941208	Emergency Medical Technician	This course is required to apply for certification as an Emergency Medical Technician. This course provides students with insights into the theory and application of concepts related to the profession of emergency medical services. Specific topics include: EMS preparatory, airway maintenance, patient assessment, management of trauma patients, management of medical patients, treating infants and children, and various EMS operations. This course is based on the NHTSA National Emergency Medical Services Education Standards	10	12
2020-2021	941209	Emergency Med Technician Clinical	This course is required to apply for certification as an EMT. This course provides students with clinical education experiences to enhance knowledge and skills learned in the EMS 118, Emergency Medical Technician Theory and Lab. This course helps students prepare for the National Registry Exam.	10	12

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2020-2021	941211	ADVANCED EMERGENCY MEDICAL TECHNICIAN	Theory 4, Lab 3. This course is required to apply for certification as an Advanced Emergency Medical Technician (AEMT). This course introduces the theory and application of concepts related to the profession of the AEMT. The primary focus of the AEMT is to provide basic and limited advanced emergency medical care and transportation for critical and emergent patients who access the emergency medical system. This individual possesses the basic knowledge and skills necessary to provide patient care and transportation. Topics include: extending the knowledge of the EMT to a more complex breadth and depth, intravenous access and fluid therapy, medication administration, blind insertion airway devices, as well as the advanced assessment and management of various medical illnesses and traumatic injuries. This course is based on the NHTSA National Emergency Medical Services Education Standards. Requires licensure or eligibility for licensure at the EMT level and EMS 156 must be taken as a co-requisite.	10	12
2020-2021	941212	ADV EMERGENCY MEDICAL TECH CLINICAL	Theory 0, Lab 2. This course is required to apply for certification as an Advanced Emergency Medical Technician (AEMT). This course provides students with clinical education experiences to enhance knowledge and skills learned in EMS 155. This course helps prepare students for the National Registry AEMT Exam. The student will have the opportunity to use the basic and advanced skills of the AEMT in the clinical and field settings under the direct supervision of licensed healthcare professionals. Requires licensure or eligibility for licensure at the EMT level and EMS 155 must be taken as a co-requisite.	10	12
2020-2021	941301	Medical Terminology	This course is an introduction to the language of medicine. Course emphasis is on terminology related to disease and treatment in correlation with anatomy and physiology of all anatomical body systems. Student competencies include word construction, definition, spelling, pronunciation, and use of correct abbreviations for numerous medical terms.	10	12
2020-2021	941304	Pathophysiology and Pharmacology for HIT	This course is a detailed study of common pathological conditions and the drugs of choice used in their treatment. Course focus is on description of conditions and diseases of the organ systems including etiology, signs and symptoms, methods of diagnosis, and treatment. Expected student outcomes include ability to analyze signs and symptoms in identifying disease entities and ability to describe appropriate diagnostic and treatment modalities.	10	12
2020-2021	941305	Pharmacology for HIT	This course is a study of drug classifications. The course focuses on generic and name brand drugs and their use. At the conclusion of the course, the student should be able to apply knowledge regarding certain drugs and their usage in treatment and prevention of disease.	10	12

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2020-2021	941309	HIT Classification and Reimbursement	This course includes study of the uses of coded data in reimbursement and payment systems appropriate to all health care settings. Course instruction focuses on techniques of coding, elements of prospective payment systems, billing and insurance procedures, third party payers, explanation of benefits, managed care/capitation, and chargemaster description. Student competencies include demonstration of reimbursement and payment system principles, coding skills and billing applications (manual and/or computer-assisted).	10	12
2020-2021	941311	HIT Legal and Ethical Issues	This course is a review of the legal aspects applicable to health information. The course focuses on the health record as a legal document, legal principles, patient rights/advocacy issues, definition and application of professional ethics, privacy, and release of information and confidentiality of health information. Student outcomes include demonstration of the use of legal vocabulary and application of release of information guidelines.	10	12
2020-2021	941312	Health Data Content and Structure	This course is an introduction to the health information technology (HIT) profession and its basic skill requirements. The course includes an introduction to the content, use and structure of health care data and data sets and how these components relate to primary and secondary record systems. Student outcomes include mastery of basic concepts and functions in HIT including storage and retrieval systems, documentation requirements, abstracting, quantitative and qualitative analysis, registries and indexes.	10	12
2020-2021	941314	Healthcare Delivery Systems	This course includes a review of health care delivery systems. Course focus is on information management practices of agencies that provide health services in ambulatory care, home health care, hospice, long term care, mental health, and other alternate care systems. Student competency includes the ability to describe and contrast the structure of health services in relation to operational and accrediting agency standards, and the role of the health information practitioner in each of these settings.	10	12
2020-2021	941317	HIT Computer Applications	This course is a survey of computer usage in health care with emphasis on data security and integrity in health information systems. Course instruction focuses on concepts of computer technology related to health care and the tools and techniques for collecting, storing, retrieving, and transmission of health care data. Upon completion, students should be able to demonstrate knowledge of and competence in the use of various health information specific software applications.	10	12
2020-2021	941318	HIT Computer Applications Laboratory	This course is designed to provide the opportunity to apply HIT computer application skills in online and/or on-campus laboratory. Emphasis includes concentration in the use of computer technology in collecting, storing, retrieving, reporting, and displaying health care data. Upon completion, student should be able to demonstrate specific computer skills in these areas.	10	12

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2020-2021	941319	Medical Coding Systems I	This course is intended to develop an understanding of coding and classification systems in order to assign valid medical codes. Instruction includes description of classification and nomenclature systems; coding diagnoses and/or procedures; sequencing codes; analyzing actual medical records to identify data elements to be coded; and validating coded clinical information. Student competency includes demonstration of coding principles and applications (manual and/or computer assisted).	10	12
2020-2021	941320	Medical Coding Skills Laboratory	This course provides laboratory practice in medical coding. The course allows the student to become proficient at skills learned in classification and coding systems theory classes. Student competency is demonstrated by accuracy in medical coding	10	12
2020-2021	941321	Medical Coding Systems II	This course is a continuation of Medical Coding Systems I which is intended to develop an understanding of coding and classification systems in order to assign valid medical codes. Instruction includes coding diagnoses and/or procedures; sequencing codes; analyzing actual medical records to identify data elements to be coded; validating coded clinical information. Student competency includes demonstration of coding principles and applications (manual and/or computer assisted).	10	12
2020-2021	941322	Medical Coding Skills Laboratory	This course provides laboratory experience in medical coding. The course allows the student to become proficient at skills learned in medical coding systems theory classes. Student competency is demonstrated by accuracy and speed in medical coding simulation.	10	12
2020-2021	941326	Principles of Supervision in HIT	This course is an introduction to principles of organization and supervision in a health information department. The course focuses on specific human resource management functions including communication, motivation, team building, budgeting, staff scheduling, productivity reporting, policy and procedure development, equipment selection. Student competency includes demonstration of knowledge of human resource functions and application of supervisory skills.	10	12
2020-2021	941327	Professional Practice Experience II	This course allows students to correlate the experience of previous courses with on-site, online, and/or on-campus simulations and learning experience. Emphasis is placed on application of all previous course work and orientation to all aspects of practice in a health information management department of a health care facility. Student competency is demonstrated by application of skills covered in theory and laboratory classes.	10	12
2020-2021	941328	Medical Coding Professional Practice	This course provides experience in medical coding of actual charts. The course allows the student to demonstrate basic competencies acquired in previous medical coding course work with on-site, online, and/or on-campus simulations and learning experiences. Student competency includes demonstrated medical coding proficiency.	10	12

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2020-2021	941329	Expanded Medical Coding	This course is intended for students to develop an understanding of coding and classification systems in inpatient settings in order to assign valid medical codes. Instruction includes coding inpatient procedures, and correct sequencing of codes; analyzing actual physician documentation to identify data elements to be coded; and validating coded clinical information. Student competency includes demonstration of inpatient coding principles and applications (manual and/or computer assisted).	10	12
2020-2021	941402	Cardiopulmonary Resuscitation I	This course includes theory and application in basic life support. Emphasis is placed on the areas of single rescuer cardiopulmonary resuscitation (CPR) of the adult, two-rescuer CPR, managing obstructed airways, and infant and child CPR. Upon completion of the course, the student should be able to recognize situations that require CPR and effectively implement CPR.	10	12
2020-2021	941404	Medical Terminology	This course is an application for the language of medicine. Emphasis is placed on terminology associated with health care, spelling, pronunciation, and meanings associated with prefixes, suffixes, and roots as they relate to anatomical body systems. Upon completion of this course, the student should be able to correctly abbreviate medical terms and appropriately use medical terminology in verbal and written communication.	10	12
2020-2021	941405	First Aid	This course provides instruction in the administration of emergency assistance to individuals who have been injured or otherwise disabled prior to transport or medical care. Topics include basic life support and first aid care for use with bleeding, wounds, poisoning, soft tissue and bone injuries, fractures, insect stings, animal bites, minor burns, cold and heat-related injuries, and select medical emergencies. Upon completion of this course, the student should be able to render basic first aid care required with common injuries or illnesses.	10	12
2020-2021	941411	Basic Pharmacology	This course is an introduction to basic pharmacology. Content includes classifications, indications, contraindications, desired effects, and side effects of medications used during diagnostic procedures and the prevention and treatment of common illnesses. Upon completion of the course, the student should be able to relate basic pharmacological concepts to the maintenance of health.	10	12
2020-2021	941602	Medical Terminology	This course is designed for medical assistants, student nurses, and others in medically related fields. The course will focus on the more common prefixes, roots, and suffixes used to construct medical terms with these word parts to determine the meanings of new or unfamiliar terms. The student will learn a system of word building which will enable them to interpret medical terms.	10	12
2020-2021	941603	Medical Assisting Theory I	A description of anatomical descriptors and the cell introduces the student to and serves as an overview of the body's systems. The structure and function of the nervous, sensory, integumentary, muscular, skeletal, respiratory, and cardiovascular systems are taught with the diseases related to these systems presented. Upon completion, students should be able to demonstrate a basic working knowledge of these body systems.	10	12

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2020-2021	941604	Medical Assisting Theory II	The structure and function of the digestive, urinary, reproduction, endocrine, and immune systems are presented. Disease processes that are related to these systems will be included. Basic concepts of reproduction, growth and development, and nutrition are taught. Upon completion, students should be able to demonstrate a basic working knowledge of these body systems.	10	12
2020-2021	941605	Clinical Procedures I for the Medical Assistant	This course includes instruction in clinical examining room procedures. Topics include asepsis, infection control, assisting with examination, and patient education. Upon completion, students will be able to demonstrate competence in exam room procedures.	10	12
2020-2021	941606	Medical Administrative Procedures I	This course introduces medical office administrative procedures. Topics include appointment scheduling, telephone techniques, managing the physician's schedule, handling mail, preparing and maintaining medical records, and patient orientation. Upon completion, students should be able to perform basic medical administrative skills.	10	12
2020-2021	941607	Medical Administrative Procedures II	This course introduces medical office administrative procedures not covered in Medical Administrative Procedures I. Topics include fees, credit, and collections, banking, bookkeeping Payroll, and computerized finance applications. Upon completion students should be able to manage financial aspects of medical offices.	10	12
2020-2021	941608	Basic Concepts of Interpersonal Relationships	This course is designed to assist students in health occupations to learn basic principles of human behavior. Activities for developing effective interpersonal relations are included. Exploration of self concept and the negative effect of poor self concept as they relate to one's health are presented. Upon completion, students should be able to apply these concepts to the work setting.	10	12
2020-2021	941609	Laboratory Procedures I for the Medical Assistant	This course provides instruction in basic lab techniques used by the medical assistant. Topics include lab safety, quality control, collecting and processing specimens, performing selective diagnostic tests, such as a CBC, screening and follow-up of test results and OSHA/CLIA regulations. Upon completion, students should be able to perform basic lab tests/skills based on course topics.	10	12
2020-2021	941610	Medical Law and Ethics for the Medical Assistant	This course provides basic information related to the legal relationship of patient and physician. Topics to be covered include creation and termination of contracts, implied and informed consent, professional liability, invasion of privacy, malpractice, tort, liability, breach of contract, and the Medical Practice Act. Upon completion, students should be able to recognize ethical and legal implications of these topics as they relate to the medical assistant.	10	12
2020-2021	941611	Medical Office Communication	This course prepares the student to communicate with patients and other allied health professionals which he/she may come in contact within the medical setting. Emphasis is placed on verbal, nonverbal, written communication skills, and medical document formatting. Upon completion, students should be able to demonstrate an understanding of the skills needed for effective communication in the medical setting.	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	941612	Management of Office Emergencies	This course is designed to instruct students in handling emergencies in the medical office. Emergencies presented will include cardiovascular emergencies, diabetic emergencies, seizures, syncope, hyperthermia and hypothermia, shock, musculoskeletal emergencies, and poisoning. Upon completion, students should be able to recognize emergency situations and take appropriate actions.	10	12
2020-2021	941613	Clinical Procedures II for the Medical Assistant	This course includes instruction in vital signs and special examination procedures. Emphasis is placed on interviewing skills, appropriate triage and preparing patients for diagnostic procedures. Upon completion, students should be able to assist with special procedures.	10	12
2020-2021	941614	Laboratory Procedures II for the Medical Assistant	This course instructs the student in the fundamental theory and lab application for the medical office. Microbiology, urinalysis, serology, blood chemistry, and venipuncture theory as well as venipuncture collection procedures are discussed and performed. Upon completion, students should be able to perform basic lab tests/skills on course topics.	10	12
2020-2021	941615	Pharmacology for the Medical Office	This course teaches the commonly administered drugs used in the medical field including their classifications, actions, indications, contraindications, and side effects on the body. Correct demonstration of drug calculation, preparation, administration, and documentation are also taught. Upon completion, students should be able to demonstrate safe drug administration and recognize common medical classifications and their patient implications.	10	12
2020-2021	941616	Radiology for the Medical Assistant	This course will provide the student with an overview of radiography and its role in the health care delivery. Topics will include patient and medical assistant safety and protection. The student should be able to perform and process basic radiographs of the chest, abdomen, pelvis, sinus and extremities.	10	12
2020-2021	941617	Medical Office Insurance	In this course emphasis is placed on insurance procedures with advanced diagnostic and procedural coding in the outpatient facility. Study will include correct completion of insurance forms and coding. Upon completion, students should be able to demonstrate proficiency in coding for reimbursements.	10	12
2020-2021	941618	Medical Transcription	This course is designed to orient students to standard medical reports, correspondence, and related documents transcribed in a medical environment through classroom instruction. Emphasis is on transcribing medical records from dictated recordings. Learn/maintain standards of ethical/professional conduct. Upon completion, the student should be able to accurately transcribe medical documents from dictated recordings.	10	12
2020-2021	941619	Medical Transcription I	This course introduces dictating equipment and typical medical dictation. Emphasis is placed on correct punctuation, capitalization, and spelling. Upon completion, students should be able to transcribe physician's dictation.	10	12

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2020-2021	941620	Medical Transcription II	This course provides the student additional skills required to competently transcribe medical dictation. Emphasis is placed on efficient use of equipment, references, editing, proofreading, and various formats. Upon completion, students should be able to demonstrate competence in transcribing physician's dictation.	10	12
2020-2021	941621	Medical Assistant Review Course	This course includes a general review of administrative and clinical functions performed in a medical office. The course will assist the student or graduate in preparing for national credentialing examination.	10	12
2020-2021	941622	Medical Assisting Practicum	This course is designed to provide the opportunity to apply clinical, laboratory, and administrative skills in a physician's office, clinic or outpatient facility. The student will gain experience in applying knowledge learned in the classroom in enhancing competence, in strengthening professional communications and interactions. Upon completion, students should be able to perform as an entry-level Medical Assistant. Content of this course is aligned with standards and guidelines from the American Association of Medical Assisting.	10	12
2020-2021	941623	Phlebotomy Preceptorship	This course is designed to provide the opportunity to apply phlebotomy techniques in the physician's clinic and hospital setting. Emphasis is placed on training individuals to properly collect and handle blood specimens for laboratory testing and to interact with health care personnel, patients, and the general public. Upon completion, students should be prepared for entry-level phlebotomy and to sit for the Phlebotomy Technician Examination (ASCP).	10	12
2020-2021	941624	Transcription Preceptorship	This course is designed to provide the opportunity to apply transcription skills to the physician's office or the hospital. The student will gain experience in applying knowledge learned in transcription classroom to medical office dictation. Upon completion, students should be able to demonstrate entry-level transcription skills.	10	12
2020-2021	941801	Long Term Care Nursing Assistant	This course fulfills the seventy-five (75) hour Omnibus Budget Reconciliation Act (OBRA) requirements for training of long-term care nursing assistants in preparation for certification through competency evaluation. Emphasis is placed on the development of the knowledge, attitudes, and skills required of the long-term care nursing assistant. Upon completion of this course, the student should demonstrate satisfactory performance on written examinations and clinical skills.	10	12
2020-2021	941807	Fundamentals of Nursing Assistant/Home Health Aide	This course provides the student with the necessary theory and laboratory experiences for the development of skills required to qualify as a long-term care Nursing Assistant/Home Health Aide. Emphasis is placed on the acquisition of skills in communication, observation, safety, mobility/body mechanics, personal and restorative care, and infection control necessary to care for patients and clients of all ages. Upon completion of this course, the student will be able to apply concepts and skills in areas required by the Omnibus Budget Reconciliation Act (OBRA) and the National Association of Home Care.	10	12

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2020-2021	941808	Fundamentals of Nursing Assistant/Home Health Aide	This course is designed for students to apply knowledge and skills needed to perform basic nursing care safely and efficiently in various supervised health care settings. Emphasis is placed on safety, therapeutic communication, infection control, critical thinking, and proper documentation. Upon completion of this course, the student will demonstrate beginning competency in the delivery of care to patients and clients in various health care settings.	10	12
2020-2021	942203	Medical Terminology	This course is an introduction to the language of medicine with emphasis on its use in physical therapy. Emphasis is on terminology of anatomical systems, root forms, prefixes and suffixes, surgery, symptomatology, psychiatric terms, pharmaceutical terms, anesthetic terms, and abbreviation. Upon completion, the student should be able to recognize this terminology as it is used in physical therapy.	10	12
2020-2021	943111	Manufacturing Safety Practices	This course is an introduction to general issues, concepts, procedures, hazards, and safety standards found in an industrial environment. This safety course is to make technicians aware of safety issues associated with their changing work environment and attempt to eliminate industrial accidents. This course will offer credentialing for NCCER Core and OSHA 10 hour.	10	12
2020-2021	943132	Reverse Engineering	During this course students learn the process of quality control inspection of parts and uses of reverse engineering processes employing 3D printing, scanning, and Coordinate Measuring Machine (CMM technologies). Emphasis is on using applicable software to produce 3D models or converting scanned images into 3D models; using CMM for parts inspection and generating points cloud for 3D modeling; interfacing generated models with reverse engineering methods.	10	12
2020-2021	943145	Car Braking, Steering, and Suspension Systems	This course provides instruction in automotive technology or auto mechanics. Emphasis is placed on the practical application maintenance and repair of brakes, steering, and suspensions systems.	10	12
2020-2021	943150	App Development with SWIFT I	This is the first of two courses designed to teach specific skills related to app development using Swift language.	10	12
2020-2021	943151	App Development with SWIFT II	This course focuses on building specific features for iOS apps. Students apply their knowledge and skills to developing new apps.	10	12
2020-2021	943168	EKG Technician	This course provides students with an overview of cardiovascular electrophysiology and its role in health care delivery. Topics include cardiovascular anatomy, physiology and electrophysiology, interpretation of rhythm strips and diagnostic electrocardiography. Students should be able to secure an EKG tracing, troubleshoot problems with the acquisition of an EKG tracing, and interpret simple EKG rhythm strips.	10	12

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2020-2021	943179	MSSC Safety Course	This course is designed to provide students with knowledge and skills related to safety in a manufacturing environment. Topics include: safety in a manufacturing environment, safety and environmental inspections, emergency drills, identifying and correcting unsafe work conditions, orienting employees to safety procedures and equipment use, fulfilling safety and health requirements for maintenance, installation, and repair, monitoring safe equipment and operator performance, and utilizing effective safety-enhancing workplace practices. NOTE: This course is in support of the MSSC Certified Technician credential.	10	12
2020-2021	943180	MSSC Quality Practices and Measurement Course	This course is designed to provide students with knowledge and skills related to safety in a manufacturing environment. Topics include: internal quality and audit activities, calibrating gages and other data collection equipment, continuous improvement, inspection and documentation, and reporting processes, corrective actions, fundamentals of blueprint reading, common measurement systems, and precision measurement tools. NOTE: This course is in support of the MSSC Certified Technician credential.	10	12
2020-2021	943181	MSSC Manufacturing Processes and Production Course	This course is designed to provide students with knowledge and skills related to safety in a manufacturing environment. Topics include: identifying customer needs, determining resources available, setting up equipment for the production process, setting team production goals, making job assignments, coordinating work flow, communicating production and material requirements, monitoring processes, documenting production compliance, and preparing product for shipping and distribution. NOTE: This course is in support of the MSSC Certified Technician credential.	10	12
2020-2021	943182	MSSC Maintenance Awareness Course	This course is designed to provide students with knowledge and skills related to safety in a manufacturing environment. Topics include: Preparing preventative and routine maintenance and repair, monitoring indicators, housekeeping, and recognizing potential maintenance issues related to various production systems and equipment. Note: This course is in support of the MSSC Certified Technician credential.	10	12
2020-2021	943183	Introduction to App Development with SWIFT	This introductory one-semester course is designed to help students build a solid foundation in programming fundamentals using Swift as the language. Students get practical experience with the tools, techniques, and concepts needed to build a basic iOS system.	10	12
2020-2021	943184	Introduction to Pipefitting	This course is designed to introduce students to an overview of the pipefitting trade, pipefitting safety, pipefitting hand tools and pipefitting power tools. Students will also be instructed in the proper and safe way to set up oxyfuel cutting equipment 2-1 ratio 50 minute hours	10	12
2020-2021	943185	Introduction to Pipefitting Tools	This course is designed to give students ample lab time to work with pipefitting hand tools and pipefitting power tools with emphasis placed on safety with these tools. Students will also be instructed in the correct use of oxyfuel cutting equipment. 2-1 ratio 50 minute hours	10	12

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School Year	Course Code	Course Name	Course Description	Low Grade	High Grade
2020-2021	943186	Introduction to Pipefitting Blueprints	This course is designed to introduce students to piping systems, drawings and details. It also places emphasis on math skills needed for entry level pipefitting craft. 2-1 ratio 50 minute hours	10	12
2020-2021	943187	Introduction to Piping Systems, Drawings and Detail Sheets	This course is designed to instruct students to physically use various drawings to layout and cut different types of pipe per drawings, using pipefitting power tools. 2-1 ratio 50 minute hours	10	12
2020-2021	943188	Threaded Pipe and Socket Weld Pipe Fabrication	This course is designed to introduce students to ladder and scaffold safety. Students will also be introduced to materials used for threaded and socket weld piping systems. Students will also be instructed on how to determine cut lengths of pipe for threaded and socket weld pipe fittings. 2-1 ratio 50 minute hours	10	12
2020-2021	943189	Threaded & Socket Weld Pipe	This course is designed to instruct students with emphasis placed on safely and correctly erecting and working from ladders and scaffolds. Students will be instructed how to prepare pipe ends for threaded and socket weld pipe fabrication. Students will fabricate piping systems using threaded and socket weld fittings per given drawings. 2-1 ratio 50 minute hours	10	12
2020-2021	943190	Butt Weld Pipe Fitting and Pipe Rigging	This course is designed to introduce students to the materials used in butt weld piping systems, students will also be instructed on how to determine cut lengths for pipe using various butt weld fitting. Students will also be introduced to basic rigging hardware. 2-1 ratio 50 minute hours	10	12
2020-2021	943191	Pipe Rigging and Butt Weld Fabrication	This course is designed to give students ample time to fabricate piping systems using various butt weld fittings. Students will be instructed how to prepare pipe ends for but weld pipe fabrication. Students will also be instructed on safely and correctly using various types of pipe rigging. 2-1 ratio 50 minute hours	10	12
2020-2021	943192	MSSC SAFETY COURSE	Theory 3. Lab 0. This course is designed to provide students with knowledge and skills related to safety in a manufacturing environment.	10	12
2020-2021	943193	MSSC QUALITY PRACTICES AND MEASUREMENT	Theory 3. Lab 0. This course is designed to provide students with knowledge and skills related to quality practices and measurement in a manufacturing environment.	10	12
2020-2021	950000	ALSDE Approved Dual Enrollment Electives, Grades 10-12	Dual enrollment course MAY BE USED upon approval by ALSDE.	10	12
2020-2021	980001	Dual Enroll English Language Arts--College/University	This course is for awarding dual enrollment/dual credit for approved English Language Arts courses completed at a four-year college/university which meets a high school graduation requirement.	10	12
2020-2021	980011	Dual Enroll Mathematics--College/University	This course is for awarding dual enrollment/dual credit for approved Mathematics courses completed at a four-year college/university which meets a high school graduation requirement.	10	12

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2020-2021	980021	Dual Enroll Science--College/University	This course is for awarding dual enrollment/dual credit for approved Science courses completed at a four-year college/university which meets a high school graduation requirement.	10	12
2020-2021	980031	Dual Enroll Social Sciences--College/University	This course is for awarding dual enrollment/dual credit for approved Social Sciences courses completed at a four-year college/university which meets a high school graduation requirement.	10	12
2020-2021	980041	Dual Enroll World Languages--College/University	This course is for awarding dual enrollment/dual credit for approved World Languages courses completed at a four-year college/university which meets a high school graduation requirement.	10	12
2020-2021	980051	Dual Enroll Arts Ed--College/University	This course is for awarding dual enrollment/dual credit for approved Arts Education courses completed at a four-year college/university which meets a high school graduation requirement.	10	12
2020-2021	980061	Dual Enroll Elective--College/University	This course is for awarding dual enrollment/dual credit for approved Elective courses completed at a four-year college/university which meets a high school graduation requirement.	10	12