

Shelby-Rising City High School



Course Descriptions 2020-2021

The Shelby - Rising City Public School District does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs or activities. The following person has been designated to handle inquiries regarding non-discrimination policies.

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GRADUATION REQUIREMENTS

The Shelby-Rising City Public School Board of Education has set the following graduation requirements for the upcoming school year. The classes listed under each category will be required for graduating classes of 2020 and beyond.

English -- 45 credits to include:

- Speech (5 credits)
- English 9 (10 credits)
- English 10 (10 credits)
- English 11 (10 credits)
- English 12 Composition, English 12 Literature, Contemporary Novels or other English Approved Courses (10 credits)

Social Science -- 30 credits to include:

- World History (10 credits)
- American History (10 credits)
- Civics (10 credits)

Mathematics -- 30 credits to include:

- Algebra I or Intro to Algebra (10 credits)
- Geometry (10 credits)
- Other Math Approved Courses (10 credits)

Science -- 30 credits to include:

- Physical Science (10 credits)
- Biology (10 credits)
- Chemistry (10 credits)

Visual and Performing Arts -- 10 credits

Career Education -- 25 credits to include:

- Personal Finance (5 credits)
- Other Approved Career Education Courses (20 credits)

P.E. and/or Health -- 10 credits

Electives -- 90 credits

Senior Service Project

In order to graduate, students must have 8 semesters of secondary attendance and be classified as a senior at the beginning of the school year in which the student wishes to graduate.

Refer to the secondary handbook for more details regarding graduation.

Schedule Changes:

Changes that need to be made in schedules can occur prior to the start of the school year and be made as late as the **end of the fifth day of the semester**. Students who make changes in their schedule after school starts may, at the teacher's discretion, have to make up the new course work. Notification of changes must be given to the teacher of the dropped class, the new class, and either the high school principal or school counselor. The changes may also need to have parental approval. Second semester changes will be reviewed in the same manner as first semester changes.

Students will be encouraged to stay in classes. Factors taken into consideration to withdraw will include out of level placement, or incorrect level of difficulty. Other extenuating circumstances might include court related situations, medical conditions, or a clinically diagnosed psychiatric condition.

Students, who request a change of schedule and are denied, may be asked to take the following steps to better insure their success:

- 1.** Plan of remedial academic action developed by the student, counselor, and teacher.
- 2.** The student set a conference with the teacher to discuss the problem.
- 3.** The student makes arrangements with the teacher to get extra help.

University of Nebraska Admission Requirements:

Category	Units	University-Wide Requirements
English	4 units	All units must include intensive reading and writing experiences.
Math	3 units	Algebra I, Geometry, & Algebra II
Social Studies	3 units	American or World History & one additional unit of history, American government or geography.
Natural Science	3 units	2 units selected from biology, chemistry, physics, or earth science. One of which includes lab instruction.
Foreign Language	2 units	Both units must be in the same language.
Additional Academic Req's	1 unit	UNK – chosen from any academic discipline UNL – Math: one additional unit that builds on algebra UNO – chosen from any academic discipline
Class Rank or ACT/SAT		For assured admission you must also graduate in the upper half of your class or have an ACT composite score of 20 or higher, or an SAT combined score of 950.
Notes:		1 unit = 1 year of high school instruction

Please note that each college may have a unique set of requirements. Make sure to check with the college you are thinking of attending to find out their specific requirements.

Early College/Career Pathway Opportunities **(in partnership with Central Community College)**

Students availing themselves of the Early Entry option will be able to take online college courses through a Career Pathway period without the need to leave the building. Several opportunities are available for Juniors and Seniors to take courses involved in a Career Pathway or that will apply to their chosen area of study beyond high school. Every attempt will be made for students to take courses with a dually certified (high school AND college certified) instructor but cannot be guaranteed. Options will be covered at the time of registration.

Students enrolling in classes through CCC must work through the counseling office. **CCC will need qualifying Assessment scores on file before processing your enrollment. ACT scores are best sent from ACT - please choose this as one of your options when registering for the ACT.**

Students participating in this program are responsible for all of their own expenses for college classes. They will receive college and/or high school credit upon successful completion of the classes. To take part in this option you will need to work through the School Counselor. Students enrolled in a CCC class must follow the colleges established dates for dropping courses.

Students taking college classes will follow the CCC calendar. This may include expectations/deadlines or due dates while Shelby-Rising City Public School is not in session.

CRITERIA FOR ENROLLMENT:

Students of Shelby-Rising City Public Schools must meet the following requirements to participate in this program:

1. Students must be in “good academic standing” and be a Junior or Senior
2. Students must meet the MAP and/or ACT scores for the chosen class (these are set by the college). IT IS MOST ADVANTAGEOUS TO HAVE YOUR ACT SCORES SENT TO CCC DIRECTLY FROM ACT
3. Students must have approval of the school counselor and/or the high school principal.

ENGLISH / LANGUAGE ARTS

(45 Credits Required for Graduation)

ENGLISH 9 (Grades 9-12)

10 Credits (2 Semesters)

PREREQUISITES: None

Students will learn to express themselves through writing in a variety of formats, including journals, essays, reflections, and papers. They will utilize correct grammar when speaking and writing as grammar rules will be reviewed - particularly sentence writing, in addition to learning to analyze, synthesize, and evaluate various forms of literature including stories, poems, biographies, plays, and novels. Students will compare and contrast literature selections for style, theme, and context as they explore the universal theme using drama. They will also plan and execute the necessary steps and processes for completing a research paper in MLA format. The course also includes exploring grade level vocabulary to enhance vocabulary skills and comprehension.

ENGLISH 10 GEN (Grades 10-12)

10 Credits (2 Semesters)

PREREQUISITES: None

This course is designed to give students experience in reading and analyzing a variety of literary genres in World Literature. Students learn to write essays in 5 paragraph format and to write a research paper in MLA format. Also included in course work are vocabulary lessons utilizing grade level vocabulary and enhancing vocabulary skills and comprehension, review of basic grammar rules and writing, note taking, technical writing incorporating grammar techniques, and writing for different audiences such as comparison/contrast, persuasive/argumentative, research.

ENGLISH 10 CP (Grades 10-12)

10 Credits (2 Semesters)

PREREQUISITES: With teacher approval or with signed Parent Waiver

This course will focus on the evaluation of various types of literature, including novels, short stories, poetry, etc. in the literary genre of World Literature. Students will be expected to examine what they have read through discussion and academic writing. This course will also focus on good academic writing. Students will look at all aspects of a strong paper, from the foundations of thought organization to the production of a grammatically correct, critical paper. Students will have practice on all different types of academic writing as well – persuasive, narrative, creative, research, etc. Vocabulary skills will also be integrated into the course's study.

ENGLISH 11 GEN (Grades 11-12)

10 Credits (2 Semesters)

PREREQUISITES: None.

This course provides students with a survey of important literary periods and works from American Literature – including short stories, essays, poetry, biographies, historical documents, etc. The literature studies will emphasize comprehension and interpretation of literature. Additionally, emphasis will be placed on writing skills. Vocabulary skills will also be integrated into the course's study.

ENGLISH 11 CP (Grades 11-12)**10 Credits (2 Semesters)****PREREQUISITES:** With teacher approval or with signed Parent Waiver

This course provides students with a survey of important literary periods and works from American Literature. Students study key literary terms and concepts along with the literature unit and novel studies. Additionally, students will perform a variety of writing tasks including but not limited to literary analysis, personal reflection, persuasion, and argument. Vocabulary skills will also be integrated into the course's study.

ENGLISH 12 COMPOSITION (Grade 12)**5 Credits (1 Semester)****PREREQUISITES:** None

This course is a semester long and provides students with a general introduction to the principles of writing with emphasis on the writing process, thesis, context, purpose and audience. Vocabulary skills will also be integrated into the course's study.

ENGLISH 12 LITERATURE (Grade 12)**5 Credits (1 Semester)****PREREQUISITES:** None

This course is a semester long and provides students with a survey of British Literature. The literature is chronologically divided into historical literary periods, beginning with the Anglo-Saxon Period and ending with Twentieth Century Period literature. Attention is given to some theme-oriented poetry, short stories, essays, non-fiction, and full-length literary works. Literary devices, content, style, and cultural diversity are studied. Vocabulary skills are also integrated into the semester's study. Emphasis is placed on the development of critical and analytical thinking skills through discussion and some compositions.

SPEECH (Grades 9-12)**5 Credits (1 Semester)****PREREQUISITES:** None ****This course is REQUIRED for graduation***

Speech is a performance-based course designed to help students improve their speaking skills and develop an understanding and process of communication through various channels. Students will be introduced to both the theory and practice of oral communication in various public speaking situations. The goals are to develop a positive attitude toward and an understanding of all parts of the communication process (physical, intellectual, emotional), to develop critical listening skills and specific techniques to make interactions with others more productive, and to develop skills in dealing with various communication situations. Throughout the semester, students will learn fundamental principles, generalizations, or theories associated with public speech, meanwhile developing the creative capacity to create prepared, extemporaneous speeches in the genre of informative speaking and persuasive speaking. This is not a prerequisite for Advanced Speech but is highly recommended to be taken prior.

ADVANCED SPEECH (Grades 10-12)**5 Credits (1 Semester)****PREREQUISITES:** Successful completion of Speech or participation on Speech team

Advanced Speech is a performance-based course designed to help students improve their speaking. This course will provide an introduction to the theory and practice of oral communication by applying the NSAA guidelines of competitive speech. The course will focus on learning fundamental principles, generalizations, and theories associated with competitive speech, while developing the creative capacity to create/prepare Informative, Persuasive, Extemporaneous, Humorous, Serious, Poetry, Entertainment, Old, and Duet speeches.

CONTEMPORARY NOVELS (Grades 11-12)**10 Credits (2 Semesters)****PREREQUISITES:** With teacher approval or with signed Parent Waiver

This course provides students with the opportunity to experience current issues through contemporary fiction and non-fiction. Through analysis of novels (fiction and nonfiction) students will examine the relevance of the literature to their experience. While reading high-interest literature, students will continue building their writing, thinking, and vocabulary skills.

JOURNALISM I (Grades 9-12)**10 Credits (2 Semesters)****PREREQUISITES:** None

This course is designed to introduce students to the field of journalism. Students will learn about journalistic writing style, editing, reporting, and interviewing. Students will develop time management and organizational skills in order to meet deadlines. Students will develop an understanding of photography and journalistic layout/design. Students will be expected to attend activities to enhance photography and reporting skills. This class counts as elective credit.

DRAMA (Grades 9-12)**5 Credits (1 Semester)****PREREQUISITES:** None

This class is designed to give students an appreciation of drama. The course will work through the history of drama, from Greek theater to Elizabethan (Shakespeare) theater to modern day stage production. Grading is based upon participation, as well as a variety of assignments including quizzes on notes, critical literary analysis of plays, and individual presentations on choice plays. Students will apply dramatists concepts by choosing a script and casting the script. This class counts as elective credit.

MATHEMATICS

(30 Credits Required for Graduation)

INTRODUCTION TO ALGEBRA I (Grade 9) **10 Credits (2 Semesters)**

PREREQUISITES: Teacher Recommendation

****This course is designed to be a 2 year course - this being year one.***

Intro to Algebra is a class that will focus on the basic elements of Algebra. Topics will include, but are not limited to simplifying numerical and polynomial expressions, solving equations, solving systems of equations, graphing equations, and applications.

****This Math sequence will make admission to UNL difficult as they require 4 years of Math.***

INTRODUCTION TO ALGEBRA/GEOMETRY II (Grade 10) **10 Credits (2 Semesters)**

PREREQUISITES: Successful completion of Intro to Algebra I or Teacher Recommendation

****This course is the second year of a 2 year course.***

Intro to Algebra/Geometry is a class that will focus on the basic elements of Geometry and Algebra. Topics will include, but are not limited to triangles, polygons, right triangles, circles, area, surface area, volume and similarity. In addition, algebra concepts will be completed from the previous course and reinforced throughout this course.

****This Math sequence will make admission to UNL difficult as they require 4 years of Math.***

ALGEBRA I (Grades 9-12) **10 Credits (2 Semesters)**

PREREQUISITES: Successful completion of Pre-Algebra or with signed Parent Waiver

Algebra 1 is a course designed for students in high school. It is considered a college prep course, although it has many useful real world applications. Concepts taught include, but are not limited to: solving equations and inequalities, polynomials, graphing, roots of numbers, percents, systems of equations, and applications of these concepts.

GEOMETRY (Grades 9-12) **10 Credits (2 Semesters)**

PREREQUISITES: Successful completion of Algebra I or with signed Parent Waiver

Geometry is considered a college prep course, although it has many useful real world applications. Concepts taught include, but are not limited to: patterns, constructions, relationships between and within plane figures, area and perimeter of plane figures, surface area and volume of three-dimensional figures, proportion, and applications of these concepts.

ALGEBRA II (Grades 10-12) **10 Credits (2 Semesters)**

PREREQUISITES: Successful completion of Geometry or with signed Parent Waiver

Algebra 2 is considered a college prep course, although it has many useful real world applications. Concepts taught include, but are not limited to: solving equations and inequalities, quadratics, graphing, complex numbers, functions, systems of equations and inequalities, logarithms, trigonometry, probability, statistics, and applications of these concepts.

TECHNICAL MATH (Grades 11-12) **10 Credits (2 Semesters)**

PREREQUISITES: Successful completion of Algebra II or Math Essentials

This course provides the math skills required in career/technical fields. The course includes a review of arithmetic operations, exponents, algebraic operations, and right triangle trigonometry with emphasis placed applications.

****This course may be taken for college credit - MATH 1020***

PRECALCULUS with TRIGONOMETRY (Grades 11-12) **10 Credits (2 Semesters)**

PREREQUISITES: Successful completion of Algebra II (B or better) or with signed Parent Waiver

This course is intended to prepare students to take Calculus. The course covers linear, quadratic, polynomial, exponential, logarithmic, and trigonometric functions. In addition, derivatives will be introduced. Functions will be analyzed using a variety of methods, including a graphing calculator. Appropriate applications will be included.

****This course may be taken for college credit - MATH 1410***

COLLEGE ALGEBRA (Grades 11-12) **10 Credits (2 Semesters)**

PREREQUISITES: Successful completion of Algebra II or with signed Parent Waiver

This course is a functional approach to algebra that incorporates the use of appropriate technology. Emphasis will be placed on the study of functions and their graphs, inequalities, and linear, quadratic, piece-wise defined, rational, polynomial, exponential, and logarithmic functions. Appropriate applications will be included.

****This course may be taken for college credit - MATH 1150***

CALCULUS (Grade 12) **10 Credits (2 Semesters)**

PREREQUISITES: Successful completion of PreCalculus or with signed Parent Waiver

Calculus is the mathematical study of change. This course is used to describe motion and it has multiple applications in mathematics, physics, engineering and other sciences. This class will study two major concepts and their applications: the derivative and the integral. Students will need a solid foundation in algebra and geometry as well as PreCalculus with trigonometry.

****This course may be taken for college credit - MATH 1600***

MATH ESSENTIALS (Grades 11-12) **10 Credits (2 Semesters)**

PREREQUISITES: Teacher Recommendation

This junior math course reinforces basic algebraic concepts and geometry while further developing skills involved in solving equations and inequalities, graphing, systems of equations and inequalities, probability, and statistics. This class is intended to be part of the three year sequence preceded by Introduction to Algebra I, and Introduction to Algebra/Geometry II.

****This Math sequence will make admission to UNL difficult as they require 4 years of Math.***

SOCIAL SCIENCES

(30 Credits Required for Graduation)

<u>WORLD HISTORY (Grades 9-12)</u>	<u>10 Credits (2 Semesters)</u>
<u>PREREQUISITES:</u> None	

World History offers an in-depth look at the history of the world starting with the rise of civilizations. The course moves through the rise and development of civilizations to the emergence of the modern world, focusing on topics such as the Renaissance and Reformation and various empires and their expansion. The course also covers the Age of Revolution focusing on the scientific revolution, the English and American revolutions, and the French Revolution. The course concludes by explaining the impact of industry and nationalism in our world and the various conflicts we have been involved in, including: WWI, WWII, The Cold War, and current problems with the Middle East.

<u>AMERICAN HISTORY (Grade 10-12)</u>	<u>10 Credits (2 Semesters)</u>
<u>PREREQUISITES:</u> None	

Modern American History offers an overview of the rise of industry. It offers an in-depth look at the events that led to World War I, the Great Depression, World War II, The Cold War, the struggle for civil rights, the Vietnam War, and the reinvention of government toward the end of the 20th century. The classroom textbooks will be utilized for instruction. In addition, the Internet will also be used as a resource for information about the topics we will be covering. Students will be encouraged to use outside resources to help them with various classroom projects.

<u>CIVICS (Grades 12)</u>	<u>10 Credits (2 Semesters)</u>
<u>PREREQUISITES:</u> None	

The course focuses on the United States' founding principles and beliefs. Students will study the structure, functions, and powers of government at the national, state, and local levels. Students will explore the purpose of government and will examine how various governments meet the needs of the people. Students will examine the duties, responsibilities, and individual roles of citizens in a democracy, as well as prepare them to become contributing members of American society.

***Juniors considering Mid-term graduation would be eligible to take during the second semester.**

PSYCHOLOGY (Grades 10-12)**5 Credits (1 Semester)**

PREREQUISITES: None - Prefer to have juniors and seniors due to the nature of some topics.

The course provides an introduction to the study of Psychology. Psychology is the scientific study of behavior that is tested through scientific research. Students will study the various approaches to psychology, the life span from the viewpoint of a psychologist, the workings of the mind and the body and our learning and cognitive processes. Students will examine personality and individuality, psychological disorders and treatment for disorders. They will also briefly learn about social psychology. This class counts as elective credit.

SOCIOLOGY (Grades 10-12)**5 Credits (1 Semester)**

PREREQUISITES: None - Prefer to have juniors and seniors due to the nature of some topics.

The course provides an introduction to the study of Sociology. Sociology is the scientific study of social structure. Students will examine sociological research methods. They will develop an understanding of society from the sociological viewpoint. Students will examine culture and social structures, social inequality, social institutions, and social change. This class counts as elective credit.

CURRENT ISSUES (Grades 10-12)**5 Credits (1 Semester)**

PREREQUISITES: None

Current Events focuses on the news. The class will revolve around class discussion, news clips, and newspaper/Internet articles. Students will examine these things to gain a better understanding of the world that they are living in and will gain an understanding and appreciation of the media industry and the impact it has on our lives. Students will discuss current issues that are going on in the world around them. They will be expected to be knowledgeable about topics in the news and will relate their opinions about these topics. This class counts as elective credit.

NATURAL SCIENCES

(30 Credits Required for Graduation)

PHYSICAL SCIENCE (Grade 9)

10 Credits (2 Semesters)

PREREQUISITES: None

Physical Science is typically taken as a freshman and will include components of physics and earth science. Physical Science covers topics of forces and motion (nature of field forces and their interactions with matter); energy (energy systems relating to the conservation and interaction of energy and matter); and components of earth science. The course uses a simple algebraic approach and incorporates lab based activities. A graphing calculator is not necessary but a calculator with scientific functions is required.

BIOLOGY GENERAL (Grade 10-12)

10 Credits (2 Semesters)

PREREQUISITES: None

Biology is typically taken as a sophomore. The topics of study include a general overview of: structure and function of living systems; basic genetics; flow of matter and energy in ecosystems; and biodiversity. Biology will combine scientific inquiry with technology and the nature of science to investigate the various topics.

BIOLOGY CP (Grade 10-12)

10 Credits (2 Semesters)

PREREQUISITES: Meet or exceed MAP Science scores of 215, meet or exceed MAP Reading scores of 220, and with teacher recommendation; or obtain permission with a signed Parent Waiver.

Biology is typically taken as a sophomore. Topics include a rigorous study of: structure and function of living systems; genetics; flow of matter and energy in ecosystems; and biodiversity. College Prep Biology will combine scientific inquiry with technology and the nature of science to investigate the various topics. Along with extensive studies in biological concepts, CP Biology includes multiple labs designed to strengthen understanding of vital concepts. This course targets students interested in potential careers in the science field, and is a prerequisite for more advanced courses in health and human sciences.

ANATOMY & PHYSIOLOGY (Grade 11-12)

10 Credits (2 semesters)

PREREQUISITES: "C+" in Biology, or with signed Parent Waiver.

Anatomy and Physiology is a one-year course that will enable students to develop an understanding of the relationships between the structures and functions of the human body. Course content will focus on the skeletal system, muscular system, nervous system, endocrine system, cardiovascular system, lymphatic system, respiratory system, digestive system, and reproductive system. The course is an overview of the body's structure (anatomy) and function (physiology) which involves laboratory activities, projects, dissections, models, diagrams, journal writings, and clinical studies. The target audience will be Juniors and Seniors interested in careers in health and human sciences. This class counts as elective credit and can be taken on a semester basis.

GENERAL CHEMISTRY (Grades 11-12)**10 Credits (2 Semesters)****PREREQUISITES:** None

Chemistry is typically taken as a Junior. The topics of study include: basic on matter and its properties, the atomic structure of the atom, the periodic table, chemical formulas, the mole, chemical bonding, chemical reactions, proportions. The course uses a basic algebraic approach and incorporates lab based activities. Computer graphing and on-line textbook materials are utilized. Graphing calculators are useful but not necessary. A calculator with scientific functions is required.

CHEMISTRY CP (Grades 11-12)**10 Credits (2 Semesters)**

PREREQUISITES: Meet or exceed Pre-ACT Math scores of 19, Science scores of 21 and, successful completion of Algebra II; or obtain permission with a signed Parent Waiver.

Chemistry is an advanced course in the study of physical science with an extensive focus on matter and its properties. This course is typically taken as a junior and the topics addressed are the atomic structure of the atom, the periodic table, chemical formulas, the mole, stoichiometric calculations, chemical bonding, reaction rates, chemical equilibrium, acids, bases, and salts. The course uses an algebraic approach and incorporates lab based activities. Computer graphing and on-line textbook materials are utilized. Graphing calculators are useful but not necessary. A calculator with scientific functions is required.

PHYSICS (Grades 11-12)**10 Credits (2 Semesters)**

PREREQUISITES: "C" or higher in Algebra II or with signed Parent Waiver

Successful completion of Geometry & Algebra II is recommended, or if a junior enrolled in Algebra II. It is highly recommended for seniors to be enrolled in a math course beyond Algebra II.

Physics is considered a college prep class for any student considering furthering their education beyond high school. Opportunities of inquiry and developing upper level thinking and learning strategies are emphasized. Physics offers an introduction to the principles of motion, waves, optics, and electricity. Emphasis is also placed on showing how physics applies to everyday life. The course uses an algebraic approach, along with geometry concepts and trigonometry functions to investigate the various principles and laws of physics. Lab based activities are incorporated. Computer graphing and on-line textbook materials are utilized. Graphing calculators are useful but not necessary. A calculator with trigonometric functions is necessary. This class counts as elective credit.

ASTRONOMY (Grades 9-12)**5 Credits (1 Semester)**

PREREQUISITES: None

Astronomy is the scientific study of the contents of the entire Universe. This course will provide foundational knowledge with a study of the universe and its conditions, properties, and motions of bodies in space relative to Earth. The content includes, but is not limited to, historical astronomy, astronomical instruments, the solar system, the earth as a system in space, the earth/moon system, the sun, and stars. Emphasis shall be placed on concepts basic to Earth, including materials, processes, history, and the environment. This class counts as elective credit.

FORENSIC SCIENCE (Grades 11-12)**5 Credits (1 Semester)****PREREQUISITES:** Successful completion of Biology and Physical Science

Forensic Science is the application of scientific processes (biology, chemistry, physics) to the criminal and civil laws enforced in a criminal justice system. Throughout this course, students would gain knowledge about, but not limited to, ballistics, blood spatter, blood evidence, DNA evidence, fiber analysis, fingerprinting, and crime scene investigation. Students will be taught the proper collection, preservation, and laboratory analysis of various samples. Emphasis shall be placed on the science behind real-life encounters of forensics. This class counts as elective credit.

INTRODUCTION TO METEOROLOGY (Grades 9-12)**5 Credits (1 Semester)****PREREQUISITES:** None

This course will involve the understanding of everyday weather and what it takes to make a good forecast. Not only will the course be technology-based; but a hands on approach to weather will also be emphasized. The course will promote the student to use scientific inquiry in order to understand and apply their knowledge toward the subject. Topics that will be covered in the course include but are not limited to: 1. How we monitor the weather through local weather stations, radars, and satellites. 2. Measuring and learning how the interactions between temperature, air pressure, wind and other weather variables affect and create our weather. 3. How to forecast the weather on a daily basis by using computer models and understanding how we use them as tools. Other topics will include all modes of severe weather such as tornadoes, blizzards, hurricanes, and lightning will be embedded within the curriculum. This class counts as elective credit.

PHYSICAL EDUCATION & HEALTH

(10 Credits Required for Graduation)

PHYSICAL EDUCATION (Grade 9)

10 Credits (2 Semesters)

PREREQUISITES: None

Students will develop fundamental skills needed for physical activities. Students will be responsible for learning the rules and strategies of individual and team activities such as flag football, soccer, basketball, floor hockey, volleyball, paddle ball, badminton, golf, pickleball, and speedball. Students will also increase their cardiovascular endurance through fast paced activities, weightlifting, and cardiovascular workouts. Students will NOT be CPR certified but could learn the skills necessary to be able to provide CPR if necessary. This class can only be taken once.

WEIGHTS (Grades 10-12)

5 Credits (Each Semesters)

PREREQUISITES: Completion of one year of Physical Education and/or Health. Freshmen students could be considered for Intermediate weights second semester with instructor approval

This course introduces the fundamental skills of weight training for personal and sport fitness. Emphasis will be placed on proper technique, training programs, nutrition, and the overall benefit of weight training. Upon completion of the course, students should have a general knowledge of weight training. Be able to demonstrate proper lifting technique. Identify muscles worked during training. Gain knowledge of how weight training can benefit lifetime fitness and understand how proper nutrition aids in the development of physical fitness. This class can be taken only once per semester but can be taken both semesters throughout the year and multiple years.

Intermediate Weights – All students must have completed Beginning PE/Weights and obtain instructor signatures prior to being enrolled in this course. **Advanced Weights** - All students must have completed Intermediate Weights and obtain instructor signatures prior to being enrolled in this course. Students in grades 10-12 must obtain signature from PE/Beginning Weights Instructor in order to move forward in levels.

HEALTH (Grades 9)

5 Credits (1 Semester)

PREREQUISITES: None

This class is designed to help students understand the many aspects of wellness in building good overall health. Students will develop skills needed in confronting difficult situations; understanding preventive health measures, and promoting techniques that will establish a solid personal understanding of achieving overall well being. Potential topics include personal health and injury prevention, nutrition and fitness, and alcohol, tobacco, and drug use/abuse and the structure of the body. Students will NOT be CPR certified but could learn the skills necessary to be able to provide CPR if necessary. This class can only be taken once.

VISUAL AND PERFORMING ARTS

(10 Credits Required for Graduation)

ART I (Grades 9-12)

10 Credits (2 Semesters)

PREREQUISITES: None

This high school class gives a general knowledge of art for students planning on seeking art at the college level and as a career. It is a two semester course that includes the fundamentals in art, some detailed study of artists and beginning projects in the area of drawing, painting, and ceramics.

ART II (Grades 10-12)

10 Credits (2 Semesters)

PREREQUISITES: "C" or higher in both semesters of Art I, teacher approval or with signed Parent Waiver

This high school class is a continuation of Art I. It continues the fundamentals in art, some detailed study of artists and more in depth study of drawing, painting and ceramics. The student will be expected to improve his/her ability level and will be graded accordingly.

INDEPENDENT ART (Grades 11-12)

10 Credits (2 Semesters)

PREREQUISITES: Teacher approval

This high school class is for building an art portfolio for college or an art and design school submission. This class will be on a more independent level, with exposure to tools and techniques that require advanced artistic skills. The student will be expected to complete artwork at a level commensurate with their ability. Students will be graded upon work ethic and a submission of artwork at the end of each semester.

BAND (Grades 9-12)

10 Credits (2 Semesters)

PREREQUISITES: Must be able to demonstrate ability to play a band instrument

The high school band is the main instrumental performance ensemble. Included within this organization are the marching band, pep band, concert band, and various solos/small ensembles. The school year is divided into three main seasons, some of which overlap. The year begins with marching band, rehearsing outside when weather permits, for competitions and other performances. Pep band also starts in the fall to prepare for football, volleyball, and basketball seasons. The band will typically perform once a week for home games at football, basketball, and volleyball. Concert season begins in late October and continues through the end of the school year with the addition of solo/small ensemble performances in the spring. Students will also be assessed on musical skills and performance ability and growth throughout the year in addition to in class performance and assessment. Public performances include various parades and field marching competitions, the Veterans Day assembly, a winter concert, district music contest, a spring concert, graduation, and Memorial Day.

VOCAL MUSIC (Grades 9-12)**10 Credits (2 Semesters)**PREREQUISITES: None

The high school choir is a performance based class that focuses on developing vocal techniques and general musicianship skills such as reading notes and rhythms, counting, and pitch matching in order to perform 2, 3, and 4 part choral music through rehearsal and performance. Students will be assessed on musical skills and performance ability growth throughout the year in addition to in class performance and concerts. Students will perform in a variety of settings including a winter concert, spring concert, large ensemble contest, solo/small ensembles, and other performances.

MUSIC APPRECIATION (Grades 10-12)**5 Credits (1 Semester)**PREREQUISITES: None

Students will explore and analyze music through a variety of mediums including audio, visual, and other technology. Students will also learn historical implications of music and how music has evolved throughout time through the lense of popular music. Emphasis will be placed on how to compose and arrange music through digital sound technology and other multimedia techniques using live recordings and Garageband. This class counts as elective credit.

CAREER EDUCATION

(25 Credits Required for Graduation*)

Digital Design (Grades 9-11) **5 Credits (1 Semester)**

PREREQUISITES: None

Students will focus on developing advanced skills to plan, design, and create interactive projects using elements of texts, graphics, and digital imaging. These skills will prepare students for entry-level positions in the digital design field. Students will demonstrate proper use of copyright and fair use throughout the course.

DIGITAL MEDIA (Grades 10-12) **5 Credits (1 Semester)**

PREREQUISITES: Digital Design

Students will create, design, and produce digital media including sound, video, and graphics. Emphasis will be placed on effective use of tools for interactive multimedia production including storyboarding, visual development, project management, and web processes.

FOUNDATIONS OF WEB DESIGN (Grades 11-12) **5 Credits (1 Semester)**

PREREQUISITES: Digital Design and Digital Media

Students will demonstrate knowledge of web design and languages, including HyperText Markup Language (HTML) and Cascading Style Sheets (CSS) to create a content rich and visually pleasing website that captures and keeps visitors' interests. Focus will be given to effective page layout, image creation and manipulation, interactivity, content creation, and project management.

MICROSOFT OFFICE SPECIALIST (Grades 11-12) **5 Credits (1 Semester)**

PREREQUISITES: None

This course will teach students how to utilize Microsoft Word software at the specialist level. Topics covered include: creating and managing documents, creating tables and lists, formatting text, paragraphs, and sections, applying references, and inserting and formatting objects. This course also teaches Microsoft Excel at the specialist level. Topics covered include: creating and managing worksheets and workbooks, creating cells and ranges, creating tables, applying formulas and functions, and creating charts and objects. This course is designed to cover all the learning objectives for the Microsoft Office Specialist (MOS) Word and Excel certification exams.

****This course may be taken for college credit - BTEC 1710/2310 AND 1720/2320***

ACCOUNTING 1 (Grades 10-12)**5 Credits (1 semester)****PREREQUISITES:** None

This course covers a service business organized as a sole proprietorship which includes accounting principles involved in the preparation and maintenance of financial records concerned with business management and operations. It is a comprehensive introduction to basic accounting including recording, summarizing and reporting, principles of income measurement and asset valuation, and accounting systems and controls. Students are exposed to careers in the field and are given the opportunity to perform accounting applications using technology.

ACCOUNTING 2 (Grades 10-12)**5 Credits (1 semester)****PREREQUISITES:** Accounting 1

This course covers concepts of a merchandising business which will include accounting principles involved in the preparation and maintenance of financial records concerned with business management and operations. It is a comprehensive introduction to basic accounting including payroll, related career opportunities, application of generally-accepted accounting principles related to recording, summarizing and reporting, principles of income measurement and asset valuation, and accounting systems and controls. Students are exposed to careers in and related to the accounting field and are given the opportunity to perform accounting applications using technology.

ACCOUNTING 3 (Grades 11-12)**5 Credits (1 Semester)****PREREQUISITES:** "C" or higher in Acct. 1 & 2, or teacher approval and signed Parent Waiver

This course includes partnership and corporate accounting, departmentalized accounting, adjustments in inventory control systems, and further enhancement of accounting skills.

ACCOUNTING 4 (Grades 11-12)**5 Credits (1 Semester)****PREREQUISITES:** Accounting 1, 2, & 3

This is a one-semester course that includes partnership and corporate accounting, adjustments in inventory control systems, budgetary control systems, & further enhancement of accounting skills.

BUSINESS LAW (Grades 10-12)**5 Credits (1 Semester)****PREREQUISITES:** None

In this course, students develop an understanding of laws and regulations that impact business. Topics included are contracts, environmental, and employment law. Students also acquire knowledge of business torts, sources of law, and the U.S. judicial system and legal procedures.

PERSONAL FINANCE (Grades 10-12)**5 Credits (1 Semester)****PREREQUISITES:** None ***This course is REQUIRED for graduation**

The goal of Personal Finance is to help students become financially responsible, conscientious members of society. To reach that, this course develops student understanding & skills in such areas as income, money management, budgeting, financial goal attainment, the wise use of credit, insurance, and investments.

ENTREPRENEURSHIP (Grades 10-12) **5 Credits (1 Semester)**

PREREQUISITES: None

Entrepreneurship is a course with emphasis on the evaluation of the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The role of entrepreneurial businesses in the United States and the impact on the national and global economy will be explored. Work-based learning strategies could be included through the development of a business plan, operation of school-based enterprise, or actual creation of a student-run business.

INTRODUCTION TO BUSINESS (Grades 10-12) **5 Credits (1 Semester)**

PREREQUISITES: None

This course is designed to introduce students to the Business, Marketing, and Management Career Field, which focuses on organization, economics, management, marketing, financial management, and operations. Career opportunities and technology will also be used and discussed.

MANAGEMENT & LEADERSHIP (Grades 11-12) **5 Credits (1 Semester)**

PREREQUISITES: Introduction to Business

This course emphasizes the basic concepts of management and leadership within a business or organization. It addresses characteristics, organization, and operation of business as major sectors of the economy. Students will investigate management issues involved in planning, organizing, leading, and controlling an organization. They will also acquire essential leadership skills in the areas of emotional intelligence: time management, stress management, professional growth and development, communication, and relationship skills.

MARKETING (Grades 10-12) **5 Credits (1 Semester)**

PREREQUISITES: None

This course develops student understanding and skills in various marketing functions, including channel management, marketing-information management, market planning, pricing, product/service management, and promotion. Marketing plans, branding, the product life cycle, project management principles and professional and ethical standards in marketing are also emphasized in the course.

COLLEGE AND CAREER READINESS 1 (Grade 10) **5 Credits (1 Semester)**

PREREQUISITES: None

Students will work with On To College Test Prep materials in preparing for the Pre-ACT held in early December. Materials from the Habitudes collection will also be used to help guide college and career ready leadership and attitude habits. Use of the state provided career website, Nebraska Career Connections, will also be utilized. Grading will be pass/fail.

COLLEGE AND CAREER READINESS 2 (Grade 11) **5 Credits (1 Semester)**

PREREQUISITES: None

Students will work On To College with John Baylor ACT Prep in preparation for the state ACT test held in April. Students will also be presented an opportunity to job shadow in a field that they have investigated through the state provided college and career website, Nebraska Career Connections. Preparation for job shadowing, career and college planning, resume writing, interviewing skills, job/scholarship applications and leadership skills will be addressed during the class. Grading will be pass/fail.

DRAFTING (Grades 9-12) **5 Credits (1 Semester)**

PREREQUISITES: None

The student will understand sketching, lettering, use and care of drafting equipment, multi-view drawings, dimensioning, auxiliary views, basic geometry, use of sectional views, line types, using a drawing scale, and the careers available in the CAD- CAM field.

WOODWORKING I (Grades 9-12) **5 Credits (1 Semester)**

PREREQUISITES: None

The learner will be shown and be able to demonstrate the safe proper use and techniques involving hand, portable and stationary power tools. They will successfully complete a visual or a written safety exam. They will successfully build and finish a wooden project as instructed by the teacher.

WOODWORKING II (Grades 10-12) **5 Credits (Each Semester)**

PREREQUISITES: Successful completion of Woodworking I

The learner will understand and use all proper safety practices and techniques involving hand, portable and stationary power tools; successfully complete a visual or refresher safety exam; and finally build and finish a wooden furniture project by the end of a semester. Larger projects are subject to review to advise on semester or year enrollment in this class.

TRADES I (Grades 10-12) **5 Credits (1 Semester)**

PREREQUISITES: None

Students will obtain and apply knowledge in the trades of (residential) electrical wiring and (residential) plumbing. This knowledge is obtained through the use of handouts, note taking on classroom lecture, and pertinent material applied to each of these two distinct trades. The student will, through the use of lap boards and lab demonstrations, be able to design and install simple as well as complex circuits. The student will also be given the opportunity to apply knowledge to pipe fitting and other types of plumbing connections.

WELDING I (Grades 10-12) **5 Credits (1 Semester)**

PREREQUISITES: None

Students will, through the use of lectures, videos, handouts and demonstrations, learn the art of metal fusion. The student will learn safety and safe practices and will be familiar with but not limited to the use of Oxygen/ Acetylene used in full metal fusion, filler rod welding, cutting, brazing, silver soldering, and hard surfacing. Students will be introduced to AC and DC arc welding safety and usage. Students will have the opportunity to use welding equipment to learn basic bead formation and construct proper joining techniques. Students will be introduced to all welding equipment both Gas and Electric Arc.

WELDING II (Grades 11-12)

5 Credits (1 Semester)

PREREQUISITES: Successful completion of Welding I

Students will use knowledge gained from Welding I and apply that to further understand the art of metal fusion using MIG and TIG welding procedures and techniques. Students will be subject to but not limited to the understanding of MIG and TIG applications for steel and nonferrous alloys. The students will understand and determine proper voltages and wire speed, and understand and demonstrate the difference in wire transfers used in the welding process. Students will utilize TIG techniques to achieve sound weld practices on air pressure vessels, watertight vessels and other sensitive areas not easily achieved through the use of standard Oxy/ Acetylene or SMAW or MIG applications. The students will also demonstrate TIG applications on aluminum to achieve sound properly structured welds.

INDEPENDENT WELDING (Grades 11&12)

5 credits (Each Semester)

PREREQUISITES: Successful completion of Welding I, Welding II and approval by teacher

Students that have achieved High Grading standards in Welding II will be given an opportunity to apply and use acquired skills necessary to fabricate and produce projects for the physical plant and also small personal project. The student is responsible for obtaining materials to perform and achieve a small metal project for personal use in the course of a semester. Size of the project should be limited to allow proper time frame for fabrication and completion of the build. Finishing or painting of said project is subject to time limitations.

AGRICULTURE EDUCATION

(0 Credits Required for Graduation)

INTRODUCTION TO AGRICULTURAL SCIENCES (Grades 9-12) Credits: 10 (2 semesters)

PREREQUISITES: None

This is a two-semester course that serves as an orientation and introduction to the other Agriculture Education courses. This course is strongly encouraged for freshman and new FFA members. This course includes a study of the National FFA Organization, leadership, basic record keeping, animal science, plant science, food science, and natural resources. This course develops basic agricultural literacy and is a foundation for further coursework, therefore it is the prerequisite for almost all other agriculture courses offered. ****THIS COURSE IS NOT CCC INTRO TO AG FOR DUAL CREDIT***

ANIMAL SCIENCE 1&2 (Grades 10-12) Credits: 10 (2 semesters)

PREREQUISITES: Successful completion of Introduction to Agricultural Sciences

This year long course and lab is designed for the advanced study of animal science and livestock production. In this course we will look at world food and animal production, genetics, livestock feeding, beef, dairy cattle, sheep, swine, poultry and horses. If taken as Dual Credit successful completion of CCC AGRI 1030 is a prerequisite.

****This course may be taken for college credit - AGRI 1700***

FOOD SCIENCE (Grades 10-12) Credits: 10 (2 semesters)

PREREQUISITES: Successful completion of Introduction to Agricultural Sciences

This is a year long course designed for the study of the area of food science and related careers. This class introduces students to the science of food and food processing and production. Students will learn the scientific principles involved in the food industry: food science, food processing, microbiology, toxicology, meats, and regulations concerning the protection of the food supply.

PLANT SCIENCE (Grades 10-12) Credits: 10 (2 semester)

PREREQUISITES: None

This year long course is an overview of the study of the agronomic plant kingdom with emphasis on anatomy, development, and reproduction of angiosperms, along with the broad study of basic principles of facts relating to the major field, food and fiber crops produced in the United States. If taken as Dual Credit successful completion of CCC AGRI 1030 is a prerequisite.

****This course may be taken for college credit - AGRI 1310 AND 1350***

AGRICULTURE CAREERS (Grades 10-12) Credits: 5 (1 semester)

PREREQUISITES: None

This is a semester courses designed to introduce students to careers in agriculture by exploring the nine agriculture career pathways. The nine agriculture career pathways are as follows: Agribusiness system, Animal system, Biotechnology system, Environmental Service system, Food products & processing system, Natural Resource system, Plant systems, Power, Structural & Technical system, and Agricultural Education system. This course will also emphasize employment skills, recordkeeping skills, and financial planning.

FOREIGN LANGUAGE

(0 Credits Required for Graduation)

SPANISH I (Grades 9-12)

10 Credits (2 Semesters)

PREREQUISITES: None

Spanish I is a highly recommended class for all students planning to attend a four-year college or university. Spanish I is intended to function as an introduction to the basics of the Spanish language, including a basic vocabulary and an introductory knowledge of the structure of the language and cultures of Latin America and Spain. Spanish 1 will develop communication skills of reading, writing, listening and speaking. Strong study skills as well as a commitment to the study of vocabulary and grammatical concepts are recommended. Technology is an important tool in accessing authentic information in the foreign language and in providing students with additional practice.

SPANISH II (Grades 10-12)

10 Credits (2 Semesters)

PREREQUISITES: "C" or higher in Spanish I, teacher approval or with signed Parent Waiver

In Level II Spanish, students continue to develop their proficiency in the four modes of communicative competence: understanding oral and written passages in the foreign language and making oral and written presentations in the foreign language. Emphasis continues to be placed on the use of the foreign language in the classroom as well as on the use of authentic materials to learn about the culture. A strong commitment to mastering vocabulary and using structures correctly is required for students to experience their highest potential. Technology continues to be an important tool in accessing authentic information in the foreign language and in providing students with additional practice.

SPANISH III (Grades 11-12)

10 Credits (2 Semesters)

PREREQUISITES: "C" or higher in Spanish I and II, teacher approval or with signed Parent Waiver

In Level III Spanish, students continue to develop their proficiency in the four modes of communicative competence: understanding oral and written passages in the foreign language and making oral and written presentations in the foreign language. They comprehend the main ideas of the authentic materials that they read and hear and are able to identify significant details when the topics are familiar. Emphasis continues to be placed on the use of the foreign language in the classroom as well as on the use of authentic materials to learn about the culture. Technology to enhance language-learning and understanding of cultures is emphasized.