

## Shelby-Rising City High School



### Course Descriptions 2023-2024

**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.**

Tucker Tejkl, Superintendent  
650 N. Walnut  
Shelby, NE 68662  
402-527-5946

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## Course Descriptions

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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, Applied Communications 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/or Performing Arts -- 10 credits**

**Career Education -- 20 credits for Classes through 2026, 25 credits for the Class of 2027 and beyond to include:**

- Personal Finance (5 credits)
- IT Fundamentals (5 credits) beginning with the Class of 2027
- Other Approved Career Education Courses (15 credits)

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

**Electives -- 95 credits for Classes through 2026, 90 credits for the Class of 2027 and beyond**  
**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 - particularly year long 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:**

<b>Category</b>	<b>Units</b>	<b>University-Wide Requirements</b>
<b>English</b>	<b>4 units</b>	<b>All units must include intensive reading and writing experiences.</b>
<b>Math</b>	<b>3 units</b>	<b>Algebra I, Geometry, &amp; Algebra II</b>
<b>Social Studies</b>	<b>3 units</b>	<b>American or World History &amp; one additional unit of history, American government or geography.</b>
<b>Natural Science</b>	<b>3 units</b>	<b>2 units selected from biology, chemistry, physics, or earth science. One of which includes lab instruction.</b>
<b>Foreign Language</b>	<b>2 units</b>	<b>Both units must be in the same language.</b>
<b>Additional Academic Req's</b>	<b>1 unit</b>	<b>UNK – chosen from any academic discipline UNL – Math: one additional unit that builds on algebra UNO – chosen from any academic discipline</b>
<b>Class Rank or ACT/SAT</b>		<b>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. *Test optional schools are referencing admissions only. Students applying for scholarships need to submit test scores.</b>
<b>Notes:</b>		<b>1 unit = 1 year of high school instruction</b>

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 college's 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

This course is designed to give students experience in reading and analyzing a variety of literary genres. Students will compare and contrast literature selections for style, theme, and context. Also included in course work are vocabulary lessons, review of basic grammar rules, and writing for different audiences.

**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 and 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, particularly technical writing. 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.

**APPLIED COMMUNICATION (Grade 12)** **10 Credits (2 semesters)**

**PREREQUISITES:** With teacher approval

This course is designed for students who are entering the workforce after graduation. This course emphasizes the development of effective speaking, reading, writing and listening skills. Application of these skills is stressed in letter, memo, email and resume writing. Brief oral situations/opportunities are given to the students to improve their speaking, listening and presentational skills for the workforce and life beyond graduation. Units of study include soft skills needed for the workplace, time management, effective communication and conflict resolution, cultural awareness in the workplace, writing your resume and cover letter, email etiquette and writing and speaking to persuade.

**ENGLISH 12 COMPOSITION (Grade 12) 5 Credits (1 Semester)**

**PREREQUISITES:** English 11CP or teacher permission

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. Students will write in a variety of manners, including narrative, persuasive, and expository. Vocabulary skills will also be integrated into the course's study.

**ENGLISH 12 INTRO TO BRITISH LITERATURE (Grade 12) 5 Credits (1 Semester)**

**PREREQUISITES:** English 11CP or teacher permission

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. 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 public speaking, to develop critical listening skills, and to develop skills in dealing with various communication situations. Students will learn fundamental principles of public speaking, developing the creative capacity to create prepared and extemporaneous speeches.

**ADVANCED SPEECH (Grades 10-12) 5 Credits (1 Semester)**

**PREREQUISITES:** Successful completion of Speech or participation on the 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, OI, 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 employ various techniques for discussing, evaluating, and writing about literature.

**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.



**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 I 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.

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

**PREREQUISITES:** Teacher Recommendation

This course will reinforce real-world applications of business math. Topics include foundation mathematical principles for business math calculations, banking, percents and applications, discounts, markups/markdowns, payroll, interest, annuities/sinking funds, inventory/overhead, loans, taxes, insurance, and business statistics.

*\*This Math sequence will make admission to UNL difficult as they require 4 years of Math Algebra I and higher.*

**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, piecewise 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*

**SOCIAL SCIENCES**  
**(30 Credits Required for Graduation)**

**WORLD HISTORY (Grades 9-12)** **10 Credits (2 Semesters)**

**PREREQUISITES:** 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.

**AMERICAN HISTORY (Grade 10-12)** **10 Credits (2 Semesters)**

**PREREQUISITES:** 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 20<sup>th</sup> 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.

**CIVICS (Grades 12)** **10 Credits (2 Semesters)**

**PREREQUISITES:** 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 EVENTS (Grades 10-12)** **5 Credits (1 Semester)**

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

Current Events will focus 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 (Grade 10-12)** **10 Credits (2 Semesters)**

**PREREQUISITES:** None

Biology is typically taken as a sophomore. The topics of study include: structure and function of living systems; cellular processes; basic genetics; flow of matter and energy in ecosystems; evolutionary history; and biodiversity. This course combines scientific inquiry with technology and the nature of science along with various labs and hands-on activities to investigate the various topics surrounding the life sciences. This course spans an entire year and is a requirement for graduation.

**ANATOMY & PHYSIOLOGY I AND II (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 spans an entire year.

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

**PREREQUISITES:** None

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

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

**PREREQUISITES:** “B” or higher in Algebra II or with signed Parent Waiver

Successful completion of Algebra II is required. It is highly recommended for students 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.

**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.

**TOPICS IN SCIENCE (Grades 10-12) 5 Credits (1 Semester)**

**PREREQUISITES:** None.

Topics in Science is an elective course that provides students the opportunity to delve into science topics within our world that are not typically covered in required courses at Shelby-Rising City. This course is open to all students, grades 9-12, and will explore various topics such as Space Exploration, Extreme Weather Events, Infectious Diseases, STEM, Ethics in Science, Conservation Biology, Climate Change, Genetics, etc. Students taking this course will provide input on which topics they would like to learn from a predetermined list decided upon by the SRC science department.

**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 Semester)**

**PREREQUISITES:** Completion of one year of Physical Education and/or Health.

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.

**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:** Must complete both semesters of Art I w/ a “B” or higher and teacher approval.

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 performances and assessment. Public performances include various parades, the Veterans Day assembly, a winter concert, district music contest, a spring concert, graduation, and Memorial Day. **Students enrolling in this course are responsible for attending band performances and activities, including those occurring outside of the school 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 rehearsals and performance. Students will be assessed on musical skills and performance ability growth throughout the year in addition to in-class performances 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. **Students enrolling in this course are responsible for attending these performances and activities including those occurring outside of the school day.**

**CAREER EDUCATION**  
**(20 Credits Required for Graduation - Classes through 2026)**  
**(25 Credits Required for Graduation - Classes of 2027 and beyond)**

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

**PREREQUISITES:** None

Students will create, design, and produce digital media including sound, video, and graphics. Emphasis will be placed on the 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:** None

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.

**VIDEO PRODUCTION (Grades 10-12)** **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.

**ACCOUNTING 1 (Grades 10-12)** **5 Credits (1 semester)**

**PREREQUISITES:** None

This one-semester course covers a service business organized as a sole proprietorship 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 recording, summarizing, and reporting and accounting systems and controls. Students are exposed to careers in the accounting field and are given the opportunity to perform accounting applications using technology. \*Students who take Accounting 1 are expected to continue on with Accounting 2 in the spring semester.

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

**PREREQUISITES:** Accounting 1

This one-semester course will develop accounting skills that build upon those acquired in Accounting I. Students will continue to apply concepts of double-entry accounting systems related to a merchandising business organized as a corporation. Additional accounting skills will be developed, including preparing and journalizing payroll records, calculating, recording, and adjusting entries, and interpreting financial information. Students are given the opportunity to explore career-related skills and perform accounting applications using technology. Accounting 1 is a prerequisite to this course.



**ACCOUNTING 3 (Grades 11-12) 5 Credits (1 Semester)**

**PREREQUISITES:** “C” or higher in Acct. 1 & 2, or teacher approval

This is a one-semester course that includes accounting for a merchandising business, adjustments in inventory control systems, and other general accounting adjustments. Accounting 1 and Accounting 2 are prerequisites to this course. \*Students who take Accounting 3 are expected to continue on with Accounting 4 in the spring semester.

**ACCOUNTING 4 (Grades 11-12) 5 Credits (1 Semester)**

**PREREQUISITES:** Accounting 1, 2, & 3

This is a one-semester course that evaluates financial planning and decision-making for corporate and managerial accounting and other types of business. Accounting 1, Accounting 2, and Accounting 3 are prerequisites to this course.

**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, employment law, sources of law, and the United States 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 end, this course develops student understanding and decision-making skills in such areas as income, money management, budgeting, financial goal attainment, the wise use of credit, insurance, and investments.

**ENTREPRENEURSHIP (Grades 9-12) 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.

**INTRODUCTION TO BUSINESS (Grades 9-12) 5 Credits (1 Semester)**

**PREREQUISITES:** None

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

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

**PREREQUISITES:** None

This course develops student understanding and skills of the marketing functions and strategies including pricing, product/service management, channel management, promotion, and marketing-information management.

**WEALTH BUILDING (Grades 11-12) 5 Credits (1 Semester)**

**PREREQUISITES:** “C” or higher in Personal Finance, or teacher approval

This course is designed to provide knowledge of personal financial management. Students learn to manage their resources to make sound personal financial decisions, interpret data to develop short- and long-term budgetary plans, and develop product knowledge related to financial planning. Students will develop a financial plan that includes savings, investing, credit management, risk management, and retirement.

**IT FUNDAMENTALS (Grades 9-12) 5 Credits (1 Semester)**

**PREREQUISITES:** None \*This course is REQUIRED for graduation class of 2027 and beyond

IT Fundamentals develops the student's abilities to analyze, evaluate, strategize, and reflect upon technologies such as computer hardware, computer software, web technologies, databases, networking, security and software development. Students will also be introduced to ever-changing information technology careers along with developing positive and ethical behaviors/practices.

**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. Preparation for job shadowing, career and college planning, resume writing, interviewing skills, job applications, and leadership skills will be addressed during the class. Students will be expected to complete a job shadow in a career field that they are interested in pursuing in the future. 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 wood 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 wood 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 lectures, 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 projects. 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 a proper time frame for fabrication and completion of the build. Finishing or painting of said project is subject to time limitations.

**INTRODUCTION TO AGRICULTURAL SCIENCES (Grades 9-12) Credits: 5 (1 semester)**

**PREREQUISITES:** None

This is a semester only 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.

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

**PREREQUISITES:** None

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. Animal Science 1(1st Semester) must be taken prior to taking Animal Science 2. 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:** None

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. Plant Science 1(1st Semester) must be taken prior to taking Plant Science 2.

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

**PREREQUISITES:** None

This is a semester course 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 I 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.