

# Hemingford High School

## Academic Catalog



Hemingford Public  
Schools  
2025-2026

# **GUBN - Get Up Bobcat Nation**

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# Graduation Requirements

## **Board Policy 611.07 - GRADUATION REQUIREMENTS**

Students must successfully complete the courses required by the board and the Nebraska Department of Education in order to graduate.

High school students must complete 260 credits prior to graduation. The following credits will be required:

- A minimum of 260 academic hours are required for high school graduation
- 205 hours are specifically required with
  - 40 in English Language Arts
  - 40 in Science
  - 40 in Social Studies
  - 30 in Mathematics
  - 30 in Career Technical Education
  - 10 in Physical Education/Health
  - 10 in Fine Arts
  - 5 in Financial Literacy or Personal Finance

Each student shall also complete and submit a Free Application for Federal Student Aid prior to graduation, unless the required opt-out form is completed by either: (1) the student's parent or legal guardian; (2) the Principal, if the Principal determines that good cause exists not to require the student to complete the FAFSA; or (3) an emancipated student or student of at least 19 years of age.

Students will be able to utilize Dual Credit classes to fulfill this requirement. Students may take college classes in all curricular areas to fulfill this requirement. Seniors that are in good standing and have all requirements filled, will be allowed to take up to 4 college classes.

The administration may allow high school credit to be awarded to students enrolled in a middle grades course if the course content and requirements are equivalent to a course offered in the high school.

Pre-college students should check additional requirements often prescribed by the college of their choice, especially prior the junior and senior years.

Courses from an approved agency may be taken when the student has an actual need to take a course in order to meet graduation requirements and deadlines. Courses must be taken under the direction of an administrator, counselor, or teacher as the supervisor if the student wishes to count this credit toward a high school diploma. It must be stressed that these courses are not the easiest method of earning credit and payment is the responsibility of the student.

Approved:

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# **Traditional Course Path to Graduation (Grades 9-12)**

The following represents the traditional course path to obtain the necessary credits for graduation. A minimum of 260 academic hours is required for high school graduation. 205 credits are earned in required Core course offerings. 55 credits are earned through Elective course offerings.

English 40	English 9, English 10, English 11, English 12/ Dual Credit English 12
Math 30	Algebra I, Geometry, Algebra II (Pre-Calculus)
Science 40	Biology, Physical Science, 2 Additional Courses
Social Science 40	American History, World Geography, World History, and American Government
Physical Education/Health 10	
Fine Arts 10	Vocal Music, Instrumental Music or Art I
CTE 30 Course	Personal Finance, Foundations of Computing, 1 Additional
Elective Credits 60	6 Additional Elective Courses or Additional Core Courses

\*It is strongly recommended that college bound students take four years of math, science, English, social science, and two years of a foreign language. It is also strongly recommended that college bound students check additional requirements specifically prescribed by the college or university of their choice, during, if not before, their junior and senior years.

## Core Course Offerings

### 9th Grade Required Courses

#### English 9

English Required Course #55  
NDE Course Code: 050021  
10 credits 5 each semester  
Recommended Prerequisite(s) 8th English

##### Course Description:

English 9 will focus on elements of a short story, elements of a novel, introduction to Shakespeare, and six traits of writing with emphasis on persuasive and narrative writing, MLA style research, and grammar review. Students in English 9 will also spend some time learning and practicing the skills for effective communication and public speaking through books, talks, and various mini-speech activities. Students will read Romeo and Juliet by William Shakespeare, A Long Walk to Water by Linda Sue Park, and Animal Farm by George Orwell. Students will also begin ACT practice skills and strategies.

#### Algebra I

Math Requirement Course #1  
NDE Course Code: 110300  
10 credits 5 each semester  
Recommended Prerequisite(s) Typically taken Freshman year or in 8th grade if academic requirements are met.

##### Course Description:

Focuses on three critical areas:(1) applying equations in one or two variables;(2) understanding the concept of a function and using functions to describe quantitative relationships;(3) applying the Pythagorean Theorem and the concepts of similarity and congruence.

NDE: An organization of mathematics subject matter concerned primarily with introductory study of properties of number systems (real numbers, complex numbers). Topics studied include algebraic expressions and symbols, operations of reals (addition, multiplication, inverse operations), binomials, absolute values, proofs, and functions.

**Biology (9)**

Science Requirement Course #38

NDE Course Code: 130201

Credits - 10 5 each semester

Recommended Prerequisite(s) Integrated Science

Course Description:

This class is a general introduction to the field of life sciences. This class generally uses a class discussion over scientific phenomena with supporting laboratory activities. Areas that are discussed include genetics, evolution, and ecology. This class is currently set up for freshmen and includes the ability to write lab reports, and scientific arguments and properly cite sources in APA formatting.

NDE: The study of the cell, molecular basis of heredity, biological evolution, interdependence of organisms, matter, energy and organization in living systems, and behavior of organisms. Students should develop the ability to think and act in ways associated with scientific inquiry.

**American History (9)**

Social Science Requirement Course #132

NDE Course Code: 150820

10 credits 5 each semester

Recommended Prerequisite(s)

Course Description:

This class covers the Colonial, Revolutionary, and Reconstruction Periods with the major emphasis on American History 1877 to present. The class attempts to put the era into perspective and have a strong background in major events, elections, and personalities. There is a constant effort to tie threads to the past and present and make future predictions based on the knowledge presented. Current events and global awareness are also stressed. There are opportunities to write, speak, and work on group projects.

NDE: The course covers the history of the United States beginning with the Gilded Age to the present. Students should be able to ask historical inquiry questions, gather and analyze evidence in order to defend and communicate conclusions. The curriculum for this course is aligned with and supports the Nebraska Social Studies Standards for HS American History.

## **9th Grade Physical Education Options to Fulfill the Course Requirement**

### **Phys Ed 9/Health**

Physical Education Requirement Course #20  
NDE Course Code: 080107  
10 credits 5 each semester  
Recommended Prerequisite(s) none

#### Course Description:

This class of physical education will go farther into sports and activities and deal with such issues as rules, regulations, and history. Students will learn more complex motor skills and how to apply them to different sports/activities. Some areas that will be covered are: Football, Basketball, Baseball, Track, Badminton, and so on. This class will be used to teach students skills that they may need throughout their lives.

### **Phys Ed 9 Weights/Health**

Physical Education Requirement Course #312  
NDE Course Code: 080107  
10 credits 5 each semester  
Recommended Prerequisite(s) none

#### Course Description:

NDE: This course will introduce students to the foundations of physical fitness and equip them with the knowledge and skills necessary to design a fitness program. This includes: (1) assessing their personal fitness levels; (2) creating a plan for improvement; (3) setting physical activity and fitness goals; (4) participating in a variety of physical activities (e.g. weight training, aerobics, individual and team sports); and (5) using current technology, (e.g. activity trackers, heart rate monitors, pedometers, and computerized fitness assessment programs).

## **10th Grade Required Courses**

### **English 10**

English Required Course #14  
NDE Course Code: 050022  
10 credits 5 each semester  
Recommended Prerequisite(s) 9th English

**Course Description:**

English 10 focuses on general grammar review while beginning advanced grammar. The course covers World literature while working with poetry, short stories, novels, plays, and a Shakespearean tragedy. MLA style research and various essays are also included.

NDE: Study concerned with developing: 1) an understanding of the language system, 2) proficiency and control in the use of the English forms, and 3) appreciation of the variety of literary forms, etc. The normal goals of instruction are an understanding of the use of composition, language, and literature by the students.

**Geometry (10)**

Math Required Course #77  
NDE Course Code: 111200  
10 credits 5 each semester  
Recommended Prerequisite(s) Algebra 1

**Course Description:**

The study of basic geometry skills, in-depth look at points, lines, planes, polygons, circles and constructions. Students will also use theorems and postulates to define rules when working with geometric figures and help build their mathematical reasoning skills. Students must have successfully completed Algebra I. May be taken the same year as Algebra II with the instructor's permission.

NDE: The branch of mathematics concerned with geometric figures in the plane and in space. Geometry emphasizes the use of logic in establishing proofs.

**Physical Science (10)**

Science Requirement #71  
NDE Course Code: 130420  
10 credits 5 each semester  
Recommended Prerequisite(s) Biology

**Course Description:**

A content and lab-based course intended to give students a background in the physical world around them using the following themes: scientific skills, motion, forces, mechanical energy, thermal energy, waves, light, optics, and electricity and magnetism. It is designed to introduce students to a variety of physical science standards.

NDE: The content of Integrated Science--Physical Science allows students to continue to develop their understanding of the core ideas in the physical, life, and earth and

space sciences learned in middle school. These ideas include the most fundamental concepts from chemistry, physics, biology, and Earth and space science and are intended to leave room for expanded study in upper-level high school courses. Content is age-appropriate and conforms to existing state standards for high school education.

## **World Geography (10)**

Social Science Requirement #140

NDE Course Code: 150700

10 credits 5 each semester

Recommended Prerequisite(s) American History

Course Description:

This class focuses on physical and human geography. The first two units focus on the earth's features. The students should be well aware of their world by the end of the year. The desired outcome is that the students will be able to relate to the news, to future history classes and to be aware of our international community. Students will also have the opportunity to research and present a region of the world that they are interested in.

NDE: The course utilizes a spatial perspective to study the planet's human and physical features. The course utilizes a systems approach and helps students become skilled at geo-spatial technologies which are used to address modern day problems. Students should be able to ask geographic inquiry questions, gather and analyze evidence in order to defend and communicate conclusions. The curriculum for this course is aligned with and supports the Nebraska Social Studies Standards for HS Geography.

## **11th Grade Required Courses**

### **English 11**

English Required Course #57

NDE Course Code: 050023

10 credits 5 each semester

Recommended Prerequisite(s) English 9, 10

Course Description:

English 11 is a focus of American literature from pre-Colonial days to the present. All genres are studied. The course also covers review of advanced grammar and various essays. MLA style research is also reviewed.

NDE: Study concerned with developing: 1) an understanding of the language system, 2) proficiency and control in the use of the English forms and 3) appreciation of the variety

of literary forms, etc. The normal goals of instruction are an understanding of the use of composition, language and literature by the students.

## **Algebra II (11)**

Math Required Course #75  
NDE Course Code: 110306  
10 credits 5 each semester  
Recommended Prerequisite(s) Algebra 1

Course Description:

Continuation of skills learned in Algebra I. Students must have successfully completed Algebra I.

NDE: An organization of mathematics subject matter concerned primarily with intermediate and advanced study of properties of number systems (real numbers, complex numbers). Topics studied include graphing in two and three dimensions, set notations, polynomials, exponential notation and operations with exponents, upper and lower bounds, continued sums, matrices, vectors, limits, continuous functions, complex numbers, combinations, and permutations.

\*Algebra II may be taken the same year as Geometry with the instructor's permission.

## **World History (11)**

Social Science Requirement #143  
NDE Course Code: 150800  
10 credits 5 each semester  
Recommended Prerequisite(s) World Geography, American History

Course Description:

The Contemporary World History course is designed to generate discussion about how our world has been shaped socially, politically, economically, and culturally by specific events and concepts. This course covers the years of 1700 to present and highlights major events that have caused significant and enduring change around the world. The goal of this course is to provide you with a contextualized understanding of the world and the United States's position and role in it. Connections will be made to current events throughout the course.

NDE: The course covers the history of the world beginning in 1500 to the present. Students should be able to ask historical inquiry questions, gather and analyze evidence in order to defend and communicate conclusions. The curriculum for this course is aligned to and supports the Nebraska Social Studies Standards for HS World History.

## On To College (11)

Career Readiness Requirement #320

NDE Course Code: 359930

5 credits

Recommended Prerequisite(s)

Course Description:

This one semester course builds on skills and strategies to support success on the ACT and other high stakes tests required by the Nebraska Department of Education. Test prep can be fun, engaging, and effective. Tens of thousands of students have taken the proven, innovative, and fun ACT® and SAT® courses. After two decades of growth, the On To College ACT® program based on John Baylor research helps students (and entire high schools) improve their test scores, scholarships, and college choices.

## Foundations of Computing (11)

Computer Science and Technology Act Requirement #324

NDE Course Code: 270704

5 credits

Recommended Prerequisite(s)

Course Description:

Designed to be the first computer science course for students who have never programmed before. Foundations of Computing is a starting point for Computer Science. Students will explore the impact of computing in society and build skills in digital citizenship and cybersecurity. Beyond learning the fundamentals of programming, students build computational-thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis.

## 12th Grade Required Courses

### English 12

English Required Course #54

NDE Course Code: 050024

10 credits 5 each semester

Recommended Prerequisite(s) English 9, 10, 11

Course Description:

English 12 focuses on comprehensive grammar and writing review including MLA style research. All genres of literature are reviewed through a compilation of American and British literature.

NDE: Study concerned with developing: 1) an understanding of the language system, 2) proficiency and control in the use of the English forms and 3) appreciation of the variety of literary forms, etc. The normal goals of instruction are an understanding of the use of composition, language and literature by the students.

## **Dual Credit English 12**

English Required Course #290

NDE Course Code: 059930

10 credits 5 each semester

Recommended Prerequisite(s) English 9, 10, 11, and if academic requirements are met.\*\*

Course Description:

NDE: English Language and Composition engages students in becoming skilled readers of prose, written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. The purpose of this course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. This course should help students move beyond such programmatic responses as the five-paragraph essay that provides an introduction with a thesis and three reasons, body paragraph on each reason, and a conclusion that restates the thesis.

\*\*Special Academic Requirements for Dual Credit English\*\*

Semester 1: ENG 1010FYW Through Wesleyan Honors Academy

Students who desire to take dual credit (ENG 1010FYW) first semester of senior year must be able to meet at least two of the following requirements:

- The student earned a grade of B or higher in English 11.
- The student scored at least a 20 on the ACT.
- The student has permission from the instructor.
- The student has permission from the guidance counselor.

Semester 2: ENG 1020FYW Through Wesleyan Honors Academy

Students who desire to take dual credit (ENG 1020FYW) second semester of senior year must be able to meet at least two of the following requirements:

- Successful completion of ENG 1010FYW or

- extraordinary performance in similarly rigorous coursework and special permission from the instructor and guidance counselor

## American Government (12)

Social Science Requirement #22

NDE Course Code: 151110

10 credits 5 each semester

Recommended Prerequisite(s) American History, World Geography/  
World History

Course Description:

The class begins with a foundation of the origins and principles of American government. This includes what the government is and its historical causes. Next, the class transitions to the constitution and different levels of government and positions within government. The class concludes with different economic systems and the role of mass media and public opinion. A new addition to this class includes a micro-course on economics including an introduction to economics, economic systems, demand and supply. Current events will also play an important role in the class.

NDE: This course provides an overview of the structure and functions of the U.S. government and political institutions and examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. The course examines how people govern themselves at the national, state and local level.

## Elective Course Requirements

A minimum of 260 academic hours is required for high school graduation. 205 credits are earned in required Core course offerings. 55 credits are earned through Elective course offerings.

### Required Course Credits 260

English 40	English 9, English 10, English 11, English 12/ Dual Credit English 12
Math 30	Algebra I, Geometry, Algebra II (Pre-Calculus)
Science 40 <b>credits)</b>	Biology, Physical Science, <b>2 Additional Courses (20</b>
Social Science 40	American History, World Geography, World History, and American Government
Physical Education	Physical Education/Health 10
<b>Fine Arts 10</b>	<b>Vocal Music, Instrumental Music or Art I</b>
CTE 30 Course	Personal Finance, Foundations of Computing, 1 Additional

**Elective Credits 60                    6 Additional Elective Courses or Additional Core Courses**

## **Core Elective Course Offerings**

\*additional credits will count as Elective Credit

### **English Language Arts**

#### **Macabre and Mysterious English (S1)**

English Elective Course #326

NDE Course Code: 050300

5 credits

Recommended Prerequisite(s):

Course Description:

This course is designed to explore gothic literature (horror as it later came to be known) as well as mystery. We will explore multiple elements of these genres, including the supernatural, the darkness of human nature, detective stories, and mystery, with our nonfictional element being true crime. We will read and listen to works of various lengths by authors such as Edgar Allan Poe, H.P. Lovecraft, and others. You will be expected to participate in the readings, small and large group discussions, creative projects and writing, and nonfiction writing assignments. We will also crack cold case files and listen to various podcasts.

NDE: The study of printed materials which have noteworthy content and excellence of style and which may be identified by country, type and/or period of time.

\*This course will be offered in conjunction with 8 To Great.

\*\*This course may only be offered during alternating years. Not available during the 25-26 school year.

#### **8 To Great (S2)**

English Elective Course #Eng\_Great

NDE Course Code: 50100

5 credits

Recommended Prerequisite(s):

Course Description:

8 to Great is the roadmap that will take you from wherever you are in life to where you want to be. This allows for the exploration and articulation of personal interests and emotions. Together, these approaches create a comprehensive framework for individuals to journey from their current circumstances to the realization of their dreams, promoting both self-discovery and creative expression along the way.

NDE: Learning experiences designed to develop knowledge, understanding, and skills involved in expressive uses of writing. Experiences include poetry, fiction and non-fiction used primarily to express the interests and emotions of the writer.

\*This course will be offered in conjunction with Macabre and Mysterious English.

\*\*This course may only be offered during alternating years. Not available during the 25-26 school year.

## **Drama**

English Elective Course #

NDE Course Code: 050600

5 credits

Recommended Prerequisite(s):

Course Description:

The study of a type of literature distinguished by plot, setting, theme and characters engaged in movement and dialogue. The main types and styles of dramatic literature usually studied are: tragedy, comedy, melodrama, farce, social drama of ideas, classical, romantic, realistic, impressionistic and expressionistic. Appreciation of the literary qualities may be enhanced by its being read as an artistic creation intended for performance on a stage.

\*This course will be offered in conjunction with Speech

\*\*This course may only be offered during alternating years.

## **Speech**

English Elective Course #

NDE Course Code: 050501

5 credits

Recommended Prerequisite(s):

Course Description:

An introductory course in oral communication. Emphasized are intra and inter- personal communication through activities in group discussion, audience analysis, speech organization and delivery.

\*This course will be offered in conjunction with Drama

\*\*This course may only be offered during alternating years.

## **Yearbook**

English Elective Course #298

NDE Course Code: 050061

10 credits 5 each semester

Recommended Prerequisite(s) English 9

Course Description:

Creating memories for Hemingford School Students is the ultimate goal of the Hemingford Yearbook Committee. Fantastic writing skills, the will to take pictures, and the creativity of making a great layout page are “MUST HAVES” to meet these goals. A student honored commitment of one full year is also a requirement to fulfill designated deadlines of finishing the completed yearbook.

NDE: Yearbook courses help students develop basic or advanced skills in one or more of the following areas: 1) photography and editing, 2) page layout and design, 3) publishing techniques, 4) copywriting, 5) interviewing techniques, 6) production management, and 7) sales and marketing promotions.

## **Social Science**

### **Sociology**

History Elective Course #138

NDE Course Code: 159931

10 credits 5 each semester

Recommended Prerequisite(s):

Course Description:

NDE: Sociology is the study of social life, social change, and the social causes and consequences of human behavior. Sociologists investigate and seek to understand the structure of groups, organizations, and societies and how people interact within these contexts. Since most human behavior is social, the subject matter of sociology ranges from the intimate family to the internet; from organized crime to religious traditions; and from the divisions of race, gender, and social class to the shared beliefs of a common culture.

## **Math**

### **Precalculus**

Math Elective Course #98  
NDE Course Code: 111300  
10 credits 5 each semester  
Recommended Prerequisite(s) Algebra I, Algebra II

#### Course Description:

Students will spend most of the year studying polynomial, logarithmic, exponential, and trigonometric functions, their graphs and applications. Some time will also be spent looking at analytic geometry, matrices, and probability. This class is geared more toward the student going into a math related field. Successful completion of the prerequisites is required.

NDE: An integrated body of selected aspects of algebra, trigonometry, and analytic geometry.

### **Nebraska Math Readiness Project**

#### **NMRP Level 1: Basic Mathematics**

Math Elective Course  
NDE Course Code: 119930  
5 credits - 1 semester

#### Recommended Prerequisite(s):

- ACT Math 13–19 or Pre-ACT Math 13–19
- District MAP (NWEA) Math 225–239/242
- NextGen Accuplacer (Basic Mathematics or Introductory Algebra)
- Overall High School GPA of 3.0 or lower
- Overall High School Math GPA between 2.0 and 3.25
- Teacher Recommendation

#### Course Description:

This is a developmental mathematics course focused on building foundational math skills. Attention is given to a review of fractions and decimals; ratios, proportions, and percents; measurement; geometry; and statistics. The course also introduces the use of signed numbers and basic algebraic concepts to prepare students for future mathematics courses.

NDE: Developmental mathematics course that reviews basic arithmetic and introductory algebraic topics necessary for future study in mathematics.

\*College credit earned through Western Nebraska Community College

## **NMRP Level 2: Introductory Algebra**

Math Elective Course

NDE Course Code: 119930

5 credits - 1 semester

Recommended Prerequisite(s):

- ACT Math 13–19 or Pre-ACT Math 13–19
- District MAP (NWEA) Math 225–239/242
- NextGen Accuplacer (Basic Mathematics or Introductory Algebra)
- Overall High School GPA of 3.0 or lower
- Overall High School Math GPA between 2.0 and 3.25
- Teacher Recommendation

Course Description:

This course introduces students to the fundamental concepts of algebra. Topics include operations on real numbers, solving equations and inequalities, graphing linear equations, simplifying polynomial expressions, factoring polynomials, and working with rational expressions and equations.

NDE: Developmental algebra course designed to build foundational algebra skills, preparing students for further study in mathematics.

## **NMRP Level 3: Intermediate Algebra**

Math Elective Course #XXX (Insert your course number)

NDE Course Code: 119930

5 credits - 1 semester

Recommended Prerequisite(s):

- ACT Math 20–21
- NextGen Accuplacer (Intermediate Algebra)

Course Description:

This course advances students' understanding of algebraic concepts. Topics include functions, graphing, systems of equations, inequalities, polynomials and polynomial functions, rational expressions and equations, exponents, radicals, and quadratic functions.

NDE: Intermediate algebra course focused on expanding algebraic skills to prepare students for college-level mathematics.

\*College credit earned through Western Nebraska Community College

### **NMRP Technical Mathematics**

Math Elective Course

NDE Course Code: 110622

5 credits - 1 semester

Recommended Prerequisite(s):

- ACT Math 18–19
- NextGen Accuplacer (Technical Math)

Course Description:

This course is designed for students pursuing an Associate of Applied Science degree in a career or technical field. The course provides a review of arithmetic operations, exponents, algebraic operations, and right triangle trigonometry, with an emphasis on practical applications in technical fields.

NDE: Technical mathematics course designed to apply mathematical skills in real-world technical and career-based settings.

\*College credit earned through Western Nebraska Community College

## **Science**

### **Anatomy & Physiology**

Science Elective Course #40

NDE Course Code: 130210

10 credits 5 each semester

Recommended Prerequisite(s) Physical Science, Biology

Course Description:

This class is centered on the study of the human body and its various systems. This class also uses a research/discussion format. Areas of concentration include the following systems - skeletal, nervous, digestive, respiratory, circulatory, regulatory, endocrine, and reproductive. This class is currently set up for juniors and seniors.

NDE: The branch of Biology that relates to the structure and relationship between body parts and the relationship between the function of body parts and the body as a whole.

\* Success in the second semester of this course is predicated on the learning from the first semester. Joining this class at the start of the second semester will be reserved for extraordinary circumstances and the concurrence of the teacher, counselor, and principal.

## **Astronomy (S1)**

Science Elective Course #99

NDE Course Code: 130312

5 credits

Recommended Prerequisite(s)    Algebra I

Course Description:

This class is the descriptive study of the solar system, measurements in astronomy, anatomy of the sun, use of multiple forms of radiation to detect different cosmological events, birth and death of a star, introduction to cosmology, and current topics in astronomy and astrophysics.

NDE: Astronomy courses introduce students to the basic laws of motion and gravity, the concepts of modern astronomy, and the methods scientists use to explore the universe. Additional topics of exploration may include: the solar system, the sun and stars, the Milky Way and other galaxies, and origins of the universe.

\*This course will be offered in conjunction with Geoscience.

## **Geoscience (S2)**

Science Elective Course #262

NDE Course Code: 130415

5 credits

Recommended Prerequisite(s)    Algebra I

Course Description:

In this class, we will study the following topics: Plate tectonics, geological time, earthquakes, volcanoes, mineral and rock cycle, and introduction to meteorology.

NDE: The study of energy in the earth systems, geochemical cycles, and origin and evolution of the earth system and universe. Students should develop the ability to think and act in ways associated with scientific inquiry.

\*This course will be offered in conjunction with Astronomy.

## **Zoology (S1)**

Science Elective Course #39  
NDE Course Code: 130215  
5 credits  
Recommended Prerequisite(s) Biology, Physical science

Course Description:

Zoology is a comprehensive overview of the evolutionary differences and adaptations of all animals. Starting with the most primitive of animals and continuing through the mammals and even humans. This course requires students to use critical thinking skills to synthesize why animals are classified the way that they are.

NDE: Zoology courses provide students with an understanding of animals, the niche they occupy in their environment or habitat, their life cycles, and their evolutionary relationships to other organisms. These courses should also help students develop an awareness and understanding of biotic communities.

\*This course will be offered in conjunction with Botany.

## **Botany (S2)**

Science Elective Course #174  
NDE Course Code: 130212  
5 credits  
Recommended Prerequisite(s) Biology, Physical Science

Course Description:

Botany is a comprehensive overview of the structural/functional components of plants. The course starts with explaining the cell and tissues and how they differ for different classifications of plants. This course requires students to use critical thinking skills to synthesize theories on why plants belong in certain classification areas.

NDE: Botany courses provide students with an understanding of plants and their relationship to the environment. Topics of exploration may include life cycles, taxonomy, plant genetics, plant physiology, and ecology.

\*This course will be offered in conjunction with Zoology.

## **Chemistry I**

Science Elective Course #49  
NDE Course Code: 130210  
10 credits 5 each semester

Recommended Prerequisite(s) Algebra I, Integrated Science, and Biology

Course Description:

Chemistry is a lab-based college-preparatory science course designed to give students a starting foundation for advanced science courses. Content of this class includes a history of chemistry, atomic theory, molecular structure, stoichiometry, nomenclature, acid/base interactions, gas laws, calculating concentrations, and lab techniques/safety. This course is intended for juniors but is open to everyone with sufficient math background.

NDE: The study of the structure of atoms, structure and properties of matter, and chemical reactions. Student should develop the ability to think and act in ways associated with scientific inquiry.

## Physics

Science Elective Course #48

NDE Course Code: 130303

10 credits 5 each semester

Recommended Prerequisite(s) Geometry

Course Description:

Physics is a lab-based college-preparatory science course. The content includes Scientific Skills, 1-dimensional motion with constant velocity and acceleration, balanced forces, unbalanced forces, projectile motion, energy, uniform circular motion, momentum, and dynamic rotational motion. While this class is offered as a dual credit course, it does not have to be taken for college credit. Concurrent enrollment in Algebra II or higher is recommended, but not required.

NDE: The study of motions and forces, conservation of energy and increase in disorder, and interactions of energy and matter. Students should develop the ability to think and act in ways associated with scientific inquiry.

## Dual Credit Physics

Science Elective Course #48

NDE Course Code: 135021

10 credits 5 each semester

Recommended Prerequisite(s) Geometry and if academic requirements are met.

Course Description:

Physics is a lab-based college-preparatory science course. The content includes Scientific Skills, 1-dimensional motion with constant velocity and acceleration, balanced forces, unbalanced forces, projectile motion, energy, uniform circular motion, momentum, and dynamic rotational motion. While this class is offered as a dual credit course, it does not have to be taken for college credit. Concurrent enrollment in Algebra II or higher is recommended, but not required.

NDE: This course is an introductory college level, algebra-based, physics course and provides the foundation for future coursework in physics. Subjects such as Newtonian mechanics, (including rotational motion); work, energy and power; and other areas are covered. Instruction is based upon the Six Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries. Twenty five percent of the instructional time is spent in a lab doing inquiry based investigations.

\*College credit earned through Nebraska Wesleyan University.

## **Dual Credit Geology**

Science Elective Course #175

NDE Course Code: 139930

10 credits 5 each semester

Recommended Prerequisite(s) Geometry and if academic requirements are met.

Course Description:

This course introduces basic landforms and geological processes. Topics include rocks, minerals, volcanoes, fluvial processes, geological history, plate tectonics, glaciers, and coastal dynamics. Upon completion, students should be able to describe basic geological processes that shape the earth.

NDE: Science, other

\*College credit earned through Nebraska Wesleyan University.

## **Dual Credit Biology**

Science Elective Course #182

NDE Course Code: 130202

10 credits 5 each semester

Recommended Prerequisite(s) Geometry and if academic requirements are met.

Course Description:

NDE: A continuation of the topics and concepts of Biology, with Biology as a prerequisite. Topics that may be explored include cell organization, function, and reproduction; energy transformation; human anatomy and physiology; and the evolution and adaptation of organisms. Students should develop the ability to think and act in ways associated with scientific inquiry.

\*College credit earned through Wesleyan Honors Academy or Western Nebraska Community College.

## **Genetics (S1)**

Science Elective Course #274

NDE Course Code: 130213

5 credits

Recommended Prerequisite(s)    Biology, Algebra II or concurrent placement

Course Description:

This class dives deeper into the genetics of humans. The class is organized into topics that may include the following based on students previous knowledge: central dogma, cell division, chromosome structures and organization, evolution, eugenics, genetic ethics, or specific genetic disease. Students will often work independently on projects and are expected to be able to write lab reports and scientific arguments or papers properly cited in APA style.

NDE: Courses in genetics provide students with an understanding of general concepts concerning genes, heredity, and variation of organisms. Course topics typically include chromosomes, the structure of DNA and RNA molecules, and dominant and recessive inheritance. Additional topics may include: lethal alleles, epistasis and hypostasis, and polygenic inheritance.

\*This course will be offered in conjunction with Forensic Science.

## **Forensic Science (S2)**

Science Elective Course #261

NDE Course Code: 130317

5 credits

Recommended Prerequisite(s)    Biology, Chemistry, Genetics, & Algebra II or concurrent enrollment

Course Description:

Forensic Science covers various concepts involved with the science of crime scenes. This class is based upon lectures with an emphasis on hands-on activities or labs to

deepen understanding of forensics topics. Topics covered in this course may include observation skills, properly securing, collecting, and analyzing evidence from crime scenes, Dactyloscopy, Anthropology, Entomology, Trace Evidence, DNA, blood evidence, toxicology, manners and mechanisms of death, documents, ballistics, or serial killers.

NDE: Forensic Science courses incorporate Biology, Chemistry, Physics, Earth Science disciplines and the process of science to the study of crimes. Topics of exploration may include: processing a crime scene, collecting and preserving evidence, physical evidence, organic and inorganic analysis of evidence, trace evidence, toxicology, arson and explosion investigations, serology, DNA, fingerprints, firearms, and document analysis.

\*This course will be offered in conjunction with Genetics.

## **Fine Arts (10 credits required)**

\*additional credits will count as Elective Credit

### **SR Band**

Fine Arts Elective #66

NDE Course Code: 120500

10 credits 5 each semester

Recommended Prerequisite(s): Elementary and Middle School Band

#### Course Description:

This class is designed to help students become musically independent through classroom study and performance. Students will be exposed to various styles of music (marching, pep, concert) and learn musical terms throughout the school term. Students in this class perform at selected football games, basketball games, school events, and two concerts per year. Through participation in this class, students will have an opportunity to participate in a variety of conferences, college, and NSAA music activities. Participation in some of these extra activities for 3 or 4 years of high school qualifies the student for college scholarships. See the instructor for more information.

NDE: The study of instrumental music skills through solo and group performance in larger ensembles of students such as concert, marching, and jazz band, and full or string orchestra.

\*Can be taken all 4 years of High School

### **SR Chorus**

Fine Arts Elective #70

NDE Course Code: 120400

10 credits 5 each semester  
Recommended Prerequisite(s) Jr. High Music

**Course Description:**

This is a performance based class with some written work. Students will be exposed to and perform a variety of musical styles, and foreign languages. Students in this class perform at two concerts per year, selected school events, and have an opportunity to participate in a variety of conference, college, and NSAA music activities. Participation in some of these extra activities for 3 or 4 years of high school qualifies the student for college scholarships. See the instructor for more information.

NDE: Learning experiences designed for vocal repertoire and vocal skills through solo and group performance in ensembles of students such as a choir, chorus and swing choir/show choir.

\*Can be taken all 4 years of High School

**Art 1**

Fine Arts Elective #58  
NDE Course Code: 020100  
10 credits 5 each semester  
No prerequisite(s)

**Course Description:**

In this class, you will continue with drawing skills. Learn calligraphy, the art of beautiful writing. Begin painting, with emphasis on watercolor. Encourage originality.

NDE: The curriculum includes activities and experiences designed to develop skills in working with a variety of artistic techniques, processes, and media. The curriculum relates art to the individual student, culture, history, and to other curricular areas.

**Art 2**

Fine Arts Elective #59  
NDE Course Code: 020200  
10 credits 5 each semester  
No prerequisite(s) Art 1

**Course Description:**

This class will reinforce calligraphy and drawing skills. Students will explore new art mediums acrylic and oil painting. Students are encouraged to work with their own ideas and be independent and original. Students learn to mat pictures for show.

NDE: A second course in Art. In-depth considerations of design and composition, with extended experiences in two and three dimensional work; may be in 9-week segments emphasizing, for example: Drawing, Painting, Printmaking, Pottery/Ceramics, Sculpture and/or Photography.

### **Art 3**

Fine Arts Elective #60  
NDE Course Code: 020300  
10 credits 5 each semester  
No prerequisite(s) Art 1, Art 2

Course Description:

NDE: An extension of the experiences provided in Art II with the opportunity for increasing specialization. Specialized courses in art appreciation, theory and history should be designated with this title.

### **Art 4**

Fine Arts Elective #79  
NDE Course Code: 020400  
10 credits 5 each semester  
No prerequisite(s) Art 1, Art 2, Art 3

Course Description:

NDE: Independent, contract study.

## **Career and Technical Education (CTE 30 credits required)**

\*additional credits will count as Elective Credit

### **Agriculture**

#### **Intro to Agricultural Science (Intro to Ag)**

CTE Elective Course #43  
NDE Course Code: 011000  
10 credits 5 each semester  
Recommended Prerequisite(s)

**Course Description:**

Freshmen course- 1st and 2nd Semesters. This is a year long course that is designed to introduce students to the sciences, technologies, and applied practices of the progressive agriculture/Agri-science industry. Emphasis is on an active learning environment enriched with technology and science-course skills needed for other courses in agriculture. The focus is to begin the preparation of students for further study and leading to successful careers in the agriculture industry.

NDE: The introductory course for the Agriculture, Food and Natural Resources Career Cluster providing a knowledge base and technical skills in all aspects of the industry. Learners will be exposed to a broad range of agriculture, food and natural resources careers, cluster foundation knowledge and skills, introduction to leadership development, the FFA organization and career exploration. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

**\*Ag Animal Science (S1)**

CTE Elective Course #153

NDE Course Code: 011004

5 credits

Recommended Prerequisite(s)    Intro to Agricultural Science

**Course Description:**

The animal science portion of this class will revolve around animal production. Students will receive instruction in management of animal species, animal nutrition, animal reproduction, diseases of animals, and the care and maintenance of large animals. Students will be trained to compete in the state FFA livestock management and selection contests and if they qualify will earn their way to the state convention in Lincoln. This class is a good way to enhance your knowledge in basic biology, chemistry and general science.

This class is a good way to enhance your knowledge in basic biology, chemistry and general science.

NDE: A course focusing on the basic scientific principles and processes that are involved in animal physiology, breeding, nutrition, and care in preparation for an animal systems career. Topics include animal diseases, introduction to animal science, animal nutrition, animal science issues, career opportunities and animal evaluation. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

\*This course will be offered in conjunction with Ag Plant Science.

\*\*This course may only be offered during alternating years.

**\*Ag Plant Science (S2)**

CTE Elective Course #153

NDE Course Code: 011007

5 credits

Recommended Prerequisite(s)    Intro to Agricultural Science

Course Description:

Plant science will revolve around plant structures, plant nutrient requirements, plant diseases and pests and plant production. Much time will be spent in the school greenhouse where students will work on individual and group projects which will enhance the classroom portion of this course. Students will be trained to compete in the state FFA agronomic contest and if they qualify will earn their way to the state convention in Lincoln in April.

NDE: This course examines the scientific concepts related to plant systems. Students will consider environmental factors on plant growth. In addition, students will examine plant classification, anatomy, physiology, and methods of propagation. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

\*This course will be offered in conjunction with Ag Animal Science.

\*\*This course may only be offered during alternating years.

**Agribusiness (Ag Business) (S1)**

CTE Elective Course # 51

NDE Course Code: 011009

5 credits

Recommended Prerequisite(s)    Intro to Agricultural Science, students in Grades 11 & 12.

Course Description:

This course is for the advanced ag student who wants to learn about the world of work in the field of agriculture and agribusiness. All aspects of farm and ranch management as well as business management will be covered, including but not limited to budgeting, inventory management, cash flow summaries, setting up a business plan and developing financial statements. Customer relations and sales skills will be taught. Some of the class time will be spent dealing with activities that relate to the FFA. Students choosing not to involve themselves with the FFA will perform simulated activities that will still teach the content intended. Students in the class are strongly encouraged to join the FFA in order to take full advantage of the opportunities offered.

NDE: This course covers skills necessary for entry into employment or furthering education in an agricultural business. The course includes the study of business planning, creating and analyzing financial information, developing business plans, and using sales and marketing principles. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

\*This course will be offered in conjunction with Ag Economics.

\*\*This course may only be offered during alternating years.

## **Ag Economics (S2)**

CTE Elective Course # Ag\_Econ

NDE Course Code: 011010

5 credits

Recommended Prerequisite(s)    Intro to Agricultural Science, students in Grades 11 & 12.

Course Description:

This course is for the advanced ag student who wants to learn about the world of work in the field of agriculture and economics. All aspects of farm and ranch management as well as business management will be covered, including but not limited to budgeting, inventory management, cash flow summaries, setting up a business plan and developing financial statements. Customer relations and sales skills will be taught. Some of the class time will be spent dealing with activities that relate to the FFA. Students choosing not to involve themselves with the FFA will perform simulated activities that will still teach the content intended. Students in the class are strongly encouraged to join the FFA in order to take full advantage of the opportunities offered. This course may end in a capstone project.

NDE: This course covers economic principles that drive agricultural businesses. The course studies both micro and macroeconomic principles, production, distribution, pricing, and consumption of agricultural products and the allocation of agricultural resources. Classroom and laboratory activities are supplemented through supervised agricultural experiences and FFA leadership programs & activities.

\*This course will be offered in conjunction with Ag Business.

\*\*This course may only be offered during alternating years.

## **Agricultural Construction (Ag Ed Cons/Prjts)**

CTE Elective Course #94

NDE Course Code: 016000

10 credits    5 each semester

Recommended Prerequisite(s)    Intro to Agricultural Science

**Course Description:**

This is a course designed to familiarize the student with basic theory and specialized skills. Skills will be developed in the areas of tool identification and safe use, carpentry, electricity, plumbing, masonry, fencing, painting and welding processes. In addition, this is a technical, pre-employment, laboratory-oriented course designed to introduce students to scientific principles and concepts, and to develop skills in agricultural mechanics. It includes subject matter and skill areas in: soil and water conservation; electrification; concrete and masonry construction; wood project construction, building planning and construction; small engine and agricultural equipment maintenance and repair.

**NDE:** This course introduces selected major areas of agricultural mechanics technology including small engine operation and repair, metal fabrication, woodworking, and electrical wiring. Learning activities include basic understanding, skill development and problem-solving. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

**Ag Welding 1**

CTE Elective Course #113

NDE Course Code: 101930

10 credits 5 each semester

Recommended Prerequisite(s) Intro to Agricultural Science

**Course Description:**

Open to 10, 11, 12 graders. Basic welding is an introductory course in shielded metal arc welding, MIG welding, and oxyacetylene welding and cutting. Welding will be done on light gauge metal in all positions. This course is intended to introduce a beginning student to the welding standards of the American Welding Society. Procedure, set-up, practice and application are done according to the AWS standard. Upon successful completion of the course, students will be familiar with this code and understand where to find needed information. Safety skills and practices required to be followed. A student generates grades through academic work and project work assessments. Consistent and punctual attendance is very important. Students should have the ability to work alone and with others.

**NDE:** Students will be introduced to the basic manufacturing process in welding manufacturing.

**Ag Welding 2**

CTE Elective Course #114

NDE Course Code: 101940

10 credits 5 each semester

5 credits  
Recommended Prerequisite(s)    Intro to Agricultural Science, Ag Welding  
1

Course Description:

Advanced Welding is for the student who currently has basic welding skills. Course includes extended practice in shielded metal arc welding and MIG welding. Additional areas of study and practice include the introduction of tungsten inert gas welding. Application of these will be done in all positions. Technical skills and competence are increased. Upon successful completion of the course, students will be equipped for entry-level employment positions in welding. Safety skills and practices are required to be followed. The student generates grades through academic work and project work assessments. Consistent and punctual attendance is very important. Students should have the ability to work alone and with others. College credit may be earned in this course.

NDE: This course is a continuation of learning the knowledge and skills of the welding industry.

\*College credit earned through Western Nebraska Community College.

### **Adv. Welding Projects**

CTE Elective Course #173  
NDE Course Code: 016004  
10 credits    5 each semester  
5 credits  
Recommended Prerequisite(s)    Intro to Agricultural Science, Ag Welding  
2

Course Description:

NDE: This course provides in-depth study of metal and fabrication with metal products. It also provides the opportunity to explore careers in agricultural metal fabrication. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

### **Independent Ag Studies**

CTE Elective Course #280  
**NDE Course Code:**  
5 credits  
Recommended Prerequisite(s)    Ag Classes, Open to Grade 12

Course Description:

This course is an enrichment and extension course for students who have completed upper-level Ag classes.

## **Business**

### **Accounting I (S1)**

CTE Elective Course #29  
NDE Course Code: 030501  
5 credits  
Recommended Prerequisite(s)

Course Description:

Students will learn basic accounting for a business organized as a proprietorship with topics covered such as the accounting equation, analyzing transactions into debits and credits, journalizing transactions, posting to a general ledger, cash control systems, adjusting entries, and understanding financial statements. Using the knowledge gained while studying proprietorships students will explore accounting in a corporation and be able to prepare payroll and payroll taxes and account for inventory.

NDE: 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, principles of income measurement and asset valuation, 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.

\*This course will be offered in conjunction with Accounting II.

### **Accounting II (S2)**

CTE Elective Course #30  
NDE Course Code: 030502  
5 credits  
Recommended Prerequisite(s) Accounting 1

Course Description:

This class is an extension of Accounting I.

NDE: This one-semester 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 1 is a recommended prerequisite to this course.

\*This course will be offered in conjunction with Accounting I.

## **Accounting III**

CTE Elective Course #129

NDE Course Code: 030503

10 credits 5 each semester

Recommended Prerequisite(s) Accounting I, Accounting II

Course Description:

Students will apply Accounting I & II knowledge to real world applications using Quickbooks Online. This class is a step-by-step guide to setting up a company and performing everyday operations in the actual Quickbooks Online application. Students will learn how to set up customer accounts, create invoices and sales receipts along with merging customer accounts, etc. Recording transactions relating to vendor accounts will be explored as well as managing inventory. Other topics include working with a balance sheet, budgets, payroll, Quickbooks customization and the accounting cycle. At the end of the course, students will complete the Quickbooks Online certification test in order to walk away with their Quickbooks certificate!

NDE: This course includes partnership and corporate accounting, departmentalized accounting, adjustments in inventory control systems, and further enhancement of accounting skills. Accounting 1 and Accounting 2 are recommended prerequisites to this course.

\*There is an opportunity for career certification in Quickbook.

## **Entrepreneurship (S1)**

CTE Elective Course #36

NDE Course Code: 032370

5 credits

Recommended Prerequisite(s)

Course Description:

Students will learn about the evaluation of the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of owning a business. Students will explore the role of entrepreneurial businesses in the United States and the impact on the national and global economy. Students will learn about various entrepreneurial topics such as types of business ownership, management, financial, marketing, and legal skills needed to be a successful business owner. Students will complete a business plan for a business idea as a final project.

NDE: 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.

\*This course will be offered in conjunction with Business Communication.

## **Business Communication (S2)**

CTE Elective Course #304  
NDE Course Code: 030600  
5 credits  
Recommended Prerequisite(s)

Course Description:

NDE: Students will reinforce communication skills needed in business, management and administrative occupations by composing and reading written and digital communications, developing and delivering formal and informal presentations, applying active listening skills to obtain and clarify information, and exhibiting interpersonal skills to deal positively with diverse individuals. Students will use tables, charts, and figures to support written and oral communication, and locate, organize, and reference written information from various sources to communicate effectively. This course may be available for dual credit at a postsecondary institution.

\*This course will be offered in conjunction with Entrepreneurship.

## **\*Intro to Business**

CTE Elective Course #310  
NDE Course Code: 032300  
5 credits  
Recommended Prerequisite(s)      Grades 9-10

**Course Description:**

Students will learn the basics of a variety of business related topics. The purpose of this course is to introduce students to a variety of business related topics for potential enrollment in future business courses that interest them. Topics could be related to a number of areas within business which include but are not limited to Entrepreneurship, Marketing, Business Communications, Management and Leadership, Business Law, Stock Market and Investing, Business Technology, Accounting, Economics, and Ethics.

NDE: 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.

\*This course will be offered in conjunction with Computer Applications.

\*\*This course may only be offered during alternating years.

**\*Computer Applications**

CTE Elective Course #26

NDE Course Code: 270502

5 credits

Recommended Prerequisite(s)      Grades 9-10

**Course Description:**

Students will explore emerging technologies as it applies to their success for high school, college, and career. The focus will be on the importance of digital citizenship, professional communication practices, advanced document processing, professional presentations, and intermediate spreadsheet and database applications used personally and professionally. This class will utilize a computer applications simulation to aid students in understanding how to use the Google Suite of applications more effectively.

NDE: This course will focus on skill development in advanced spreadsheet, database, integration of applications utilizing advanced features, and exploring web technologies. Students taking both Information Technology Applications I and II may be eligible for dual credit at a participating postsecondary institution. Skills, standards, and coursework align with industry certifications.

\*This course will be offered in conjunction with Intro to Business.

\*\*This course may only be offered during alternating years.

**Business Law**

CTE Elective Course #309

NDE Course Code: 030900

10 credits 5 each semester  
Recommended Prerequisite(s) Open to Grade 11-12

Course Description:

NDE: 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 United States judicial system and legal procedures.

**\*Management and Leadership**

CTE Elective Course #305  
NDE Course Code: 032802  
10 credits 5 each semester  
Recommended Prerequisite(s) Grades 10-12

Course Description:

NDE: 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.

\*\*This course may only be offered during alternating years.

**Marketing**

CTE Elective Course #306  
NDE Course Code: 038100  
10 credits 5 each semester  
Recommended Prerequisite(s) Grades 10-12, prior Business Class

Course Description:

Students will gain a basic understanding of the functions of marketing which include channel management, marketing-information management, market planning, product/service management, promotion, pricing, and selling. Students will learn a variety of marketing strategies which include the selling process, use of data in marketing decisions, and economic concepts that apply to marketing. A computer based simulation will be utilized to give students how to market in a digital environment. At the end of the year, students will complete a marketing plan for a local business and present the plan to the owner/s of that business.

NDE: This course develops basic student understanding and skills in the functions of marketing, including channel management, marketing-information management, market planning, product/service management, project management, promotion, pricing, and selling. Emphasis is placed on marketing strategies, the selling process, the use of data in marketing decision-making, and career opportunities in marketing. Fundamental economic concepts are also integrated in the course.

\*\*This course may only be offered during alternating years.

## **Personal Finance (11)**

CTE Requirement Course #35

NDE Course Code: 033000

10 credits 5 each semester

Recommended Prerequisite(s) **REQUIRED FOR GRADUATION (5 credits)**

### Course Description

Taken during the Junior year. Students will learn the ins and outs of financial management such as budgeting, managing a checking account, investments, savings, credit, and communicating about money. Students will also learn about the cost of living, paying bills, and insurance through the On Your Own Living simulation throughout the course. Dave Ramsey is incorporated throughout each chapter to bring a fun and exciting twist to personal finance!

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

## **Sports & Entertainment Marketing**

CTE Elective Course #307

NDE Course Code: 039930

10 credits 5 each semester

Recommended Prerequisite(s): Open for grades 9-12

### Course Description

Sports & Entertainment Marketing expertly introduces industry skills from market planning to promotions and selling with popular sports and entertainment industry examples as the foundation for learning marketing concepts. Crucial topics such as the channels of distribution, global issues, customer service, and economic principles make direct connections to real-life businesses, famous athletes, and celebrities. Students

work individually and in teams to build an expansive marketing portfolio as they apply marketing functions to real-world scenarios and strategies from awards show nominations, to analyzing super bowl ads, to planning successful product endorsements.

## **Family and Consumer Science (FCS)**

### **\*Child Development (S1)**

Family & Consumer Science Elective Course #107

NDE Course Code: 090119

5 credits

Recommended Prerequisite(s)

Course Description:

This course integrates knowledge, skills, and practices necessary for nurturing the growth and development of children. The study of the physical, emotional, social, and intellectual aspects related to prenatal through age 8 will be studied in addition to the positive and negative factors that impact child growth and development. Students will be observing and working with toddlers and preschool students in various class projects.

NDE: This course integrates knowledge, skills and practices necessary for nurturing the growth and development of children. The study of the physical, emotional, social, and intellectual aspects related to prenatal through age 12 will be studied in addition to the positive and negative factors that impact child growth and development.

Classroom, laboratory, and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

\* This course will be offered in conjunction with Early Childhood.

\*\*This course may only be offered during alternating years.

### **\*Early Childhood Education (S2)**

Family & Consumer Science Elective Course #269

NDE Course Code: 090121

5 credits

Recommended Prerequisite(s)

Course Description:

In this course students will explore education and community resources available for the education and necessary services of young children. Students will be exposed to educational needs and resources as well as begin the development of lesson plans and

lesson plan components for the education of young children as well as the career skills necessary for a career in early childhood education and services. Students will be observing and working with younger students in various class projects.

NDE: In this course students will explore education and community resources available for the education and necessary services of young children. Students will be exposed to educational needs and resources as well as begin the development of lesson plans and lesson plan components for the education of young children as well as the career skills necessary for a career in early childhood education and services.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

\* This course will be offered in conjunction with Child Development.

\*\*This course may only be offered during alternating years.

### **\*Early Childhood Practicum**

Family & Consumer Science Elective Course #329

NDE Course Code: 090122

10 credits 5 each semester

Recommended Prerequisite(s) Child Development, Early Childhood

Course Description:

This course is designed to provide students a hands-on early childhood education experience. Course time is used as an interactive learning environment in which students are actively teaching young children. Students will compile their information toward an employment portfolio.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

\* This course will be offered in conjunction with Child Development/Early Childhood Education.

\*\*This course may only be offered during alternating years.

### **Intro to Design Principles (S1)**

Family & Consumer Science Elective Course #276

NDE Course Code: 090126

5 credits

Recommended Prerequisite(s)

Course Description:

Students explore the definition and application of elements and principles of design in both living spaces and clothing and textiles. In this course, students will also evaluate the use of elements and principles and suggest improvements. Students are also exposed to career opportunities and the skills necessary for these career fields.

NDE: Students explore the definition and application of elements and principles of design in both living spaces and clothing and textiles. In this course, students will also evaluate the use of elements and principles and suggest improvements. Students are also exposed to career opportunities and the skills necessary for these career fields.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

\* This course will be offered in conjunction with Creative Fabrics.

\*\*This course may only be offered during alternating years.

## **Creative Fabrics (S2)**

Family & Consumer Science Elective Course #108

NDE Course Code: 090103

5 credits

Recommended Prerequisite(s)    Intro to Design

### Course Description:

If you like to sew, be creative, hands on learning. This class is for you! This course provides instruction in social, psychological and historical aspects of clothing and textiles. Textile and apparel design, selection, construction, maintenance and alteration of textile products will be analyzed and taught. Interior design is also learned. This course integrates knowledge, skills, and practices required for careers in textiles and scientific research.

NDE: This course provides instruction in social, psychological and historical aspects of clothing and textiles. Textile and apparel design, selection, construction, maintenance and alteration of textile products will be analyzed and taught. This course integrates knowledge, skills, and practices required for careers in textiles and scientific research.

This class also teaches instruction in basic housing styles, interior design selection, furnishing and equipment and careers in housing and interior design.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

\* This course will be offered in conjunction with Intro to Design Principles.

\*\*This course may only be offered during alternating years.

## Foods (S1)

Family & Consumer Science Elective Course #9

NDE Course Code: 090107

5 credits

Recommended Prerequisite(s)

Course Description:

This course is designed to provide students with the basic foundation knowledge of food selection and preparation needed to successfully fuel the human body through consumption of food and resulting food energy. With a beginning foundation of nutrition, students will learn basic food preparation skills and the short-term and long-term wellness consequences as a result of nutritional intake, and exposure to careers related to the food industry.

NDE: This course is designed to provide students with the base foundation knowledge of food selection and preparation needed to successfully fuel the human body through consumption of food and resulting food energy. With a beginning foundation of nutrition, students will learn basic preparation skills and the short-term and long-term wellness consequences as a result of nutritional intake, and exposure to careers related to the food industry.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

\* This course will be offered in conjunction with Food Science.

## Food Science (S2)

Family & Consumer Science Elective Course #268

NDE Course Code: 090113

5 credits

Recommended Prerequisite(s) Foods I

Course Description:

Instruction which provides students with an understanding of the food science industry, food packaging/labeling, sensory evaluation of foods, marketing food products, constituents of foods, nutritive aspects of food constituents, operation of food industry, food microbiology, food processing and food science applications, and, exposure to careers related to food science.

NDE: Instruction which provides students with an understanding of the food science industry, food packaging/labeling, sensory evaluation of foods, marketing food products,

constituents of foods, nutritive aspects of food constituents, operation of food industry, food microbiology, food processing and food science applications, and, exposure to careers related to food science.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA and FFA Career Student Organizations.

\* This course will be offered in conjunction with Foods I.

## **Culinary I**

Family & Consumer Science Elective Course #270

NDE Course Code: 370021

10 credits 5 each semester

Recommended Prerequisite(s) Foods I, Food Science

Course Description:

This course is designed to provide students with a curriculum which is focused on the foodservice industry and provides training in workplace and culinary skills, food safety and sanitation, interpersonal and communication skills, as well as an exposure to the areas of restaurant management and career exploration. Students will complete the ServSafe Certification and participate in the Culinary food experiences in which they learn valuable skills such as knife skills, time management, menu development and food preparation.

NDE: This course is designed to provide students with curriculum which is focused on the foodservice industry and provides training in workplace and culinary skills, food safety and sanitation, interpersonal and communication skills, as well as an exposure to the areas of restaurant management and career exploration.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA.

## **Culinary II**

Family & Consumer Science Elective Course #271

NDE Course Code: 370022

10 credits 5 each semester

Recommended Prerequisite(s) Foods I, Food Science , Culinary I

Course Description:

This course is designed to provide students with an advanced curriculum which is focused on the foodservice industry and provides training in the workplace and culinary skills, interpersonal and communication skills, as well as exposure to the areas of

restaurant management and career exploration. Students will have the option to update their ServSafe Certification and will participate in Culinary food experiences in which they learn valuable skills such as knife skills, time management, menu development, and food preparation.

NDE: This course is designed to provide students with an advanced curriculum which is focused on the foodservice industry and provides training in workplace and culinary skills, interpersonal and communication skills, as well as an exposure to the areas of restaurant management and career exploration. ServSafe Certification may be available at this level through the National Restaurant Association Educational Foundation.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA.

### **Culinary III**

Family & Consumer Science Elective Course #271

NDE Course Code: 370031

10 credits 5 each semester

Recommended Prerequisite(s) Foods I, Food Science, Culinary I,

Culinary II

Course Description:

NDE: This course is designed to provide students with an industry-driven curriculum providing real-life opportunities and the application of practical skills encompassing culinary techniques and management skills. A focus of this class will be Baking and Pastry skills.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA.

## **Foreign Language Elective Course Offerings**

\*additional credits will count as Elective Credit

### **Spanish 1**

Elective Course #61

NDE Course Code: 060241

10 credits 5 each semester

Recommended Prerequisite(s)

Course Description:

Spanish I is an introductory level course to Spanish and the culture of Spain and Latin America. This introductory course is designed for students with little or no previous study of Spanish. This course teaches basic language patterns and vocabulary. It focuses on students' learning structures. Repetition, comprehensible input, and compelling input are integral components of this course. The focus is on all four-language skills: listening, speaking, reading and writing. Spanish and culture are introduced through the use of media, dramatizations, gestures, readings, and class discussions. In addition to written tests and quizzes, students may also be assessed by means of aural activities. Active Participation is required in this course. Homework assignments reinforce concepts/skills introduced and explored in class.

NDE: This beginning course includes the study of speaking, listening, reading, writing, and culture of the people. Students will be able to understand familiar words and very basic phrases concerning themselves, their family and immediate surroundings when people speak slowly and clearly. They will be able to understand familiar names, words, and very simple sentences and ask and answer simple questions in the areas of immediate need or on very familiar topics. Students will be able to use and write simple phrases and sentences to describe situations. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

## Spanish 2

Elective Course #61  
NDE Course Code: 060242  
10 credits    5 each semester  
Recommended Prerequisite(s)    Spanish 1

### Course Description:

This course will review concepts from Spanish I and expand reading, writing, listening, and speaking in context mainly through the exploration of stories and discussions that increase in difficulty and utilize high-frequency vocabulary and grammar in Spanish. The course will also continue to explore Spanish and Latin American culture. Active Participation is required in this course. Homework assignments reinforce concepts/skills introduced and explored in class.

NDE: This course enables students to understand phrases and commonly used vocabulary related to areas of personal relevance and recognize the main point in short, clear, simple messages and announcements. Students will be able to read very short, simple texts and find specific, predictable information in simple everyday materials. Student can communicate in simple and routine tasks requiring a direct exchange of information on familiar topics and activities. They will be able to handle very short social exchanges and use a series of phrases and sentences to describe in simple terms their family and other people. This course should help students gain insight into the nature of

their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

### **Spanish 3/Dual Credit Spanish 3**

Elective Course #122

NDE Course Code: 060243

10 credits 5 each semester

Recommended Prerequisite(s) Spanish 1, Spanish 2

Course Description:

This course is designed for students wishing to refine and enhance the language skills and cultural knowledge acquired in the prior years of study. While it is expected that students have been introduced to many of the main concepts of Spanish grammar, we will continue to review and practice these concepts in the context of conversation, reading, and writing. New concepts introduced in levels III and IV are tenses other than the present tense. Students are encouraged to improve their listening and reading skills, as well as their written and oral expression. This course is available for dual credit at a postsecondary institution.

NDE: This course enables students to understand main points in a conversation on familiar matters regularly encountered in work, school, leisure, etc. Students will be able to understand the main point of radio or TV programs on current affairs or topics of interest when the delivery is relatively slow and clear and understand texts that consist mainly of everyday language. They can understand the description of events, feelings and wishes in personal letters and deal with basic situations likely to arise when traveling in an area where the language is spoken. Students are able to enter into conversations on topics that are familiar and connect phrases in order to describe experiences and events. Students will be able to write simple connected text and letters on topics, which are familiar, or of personal interest. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

### **Spanish 4**

Elective Course #220

NDE Course Code: 060244

10 credits 5 each semester

Recommended Prerequisite(s) Spanish 1, Spanish 2, Spanish 3

Course Description:

This course is an extension of Spanish 3. This course is designed for students wishing to refine and enhance the language skills and cultural knowledge acquired in the prior years of study. While it is expected that students have been introduced to many of the

main concepts of Spanish grammar, we will continue to review and practice these concepts in the context of conversation, reading, and writing. New concepts introduced in levels III and IV are tenses other than the present tense. Students are encouraged to improve their listening and reading skills, as well as their written and oral expression.

NDE: This course enables students to understand extended conversations provided the topic is reasonably familiar, some TV news, current affairs programs, and films in standard language. Students will be able to read articles and literary prose in which the writers adopt particular attitudes or viewpoints. Students can interact with a degree of competency and take an active part in discussion in familiar contexts. Students will be able to present clear, detailed descriptions and write clear, detailed texts on subjects related to their interests. Students can write text that conveys information and letters highlighting the personal significance of events and experiences. This course should help students gain insight into the nature of their own language and culture and apply the language and cultural knowledge within and beyond the school setting.

## **College and Career Ready Elective Course Offerings**

\*additional credits will count as Elective Credit

### **RSVP (Resumes, Scholarships, Various Projects)**

Elective Course #105  
NDE Course Code: 039930  
10 credits    5 each semester  
Recommended Prerequisite(s)    Grade 12

Course Description:

For Seniors only. Resumes, Scholarships, and Various Projects are the focus of this yearlong class. Be ready to take on the challenge of researching and filling out MANY scholarships. The more scholarships you fill out, the better your chances to earn money for your future in higher education. The first semester is focused on resume updating, school searching, career choices, and various regional scholarship searching. Second semester starts off immediately with financial family data, statewide scholarships, and finishing off with many local scholarships. Be ready for full steam ahead!!

### **Online College Course**

Elective Course #244  
NDE Course Code: 230803  
10 credits    5 each semester  
Recommended Prerequisite(s)    Pending college acceptance and if academic requirements are met.

Course Description:

Self-guided online college courses from an accredited college or university.

NDE: This individualized course provides students with the opportunity and time to complete classroom assignments or school projects. Students typically work on their own, without the help of a tutor; however, they are supervised and usually remain in the classroom.

## School To Work

Elective Course #52

NDE Course Code: 320700

10 credits 5 each semester

Recommended Prerequisite(s) Pending Application/Placement and if academic requirements are met:

\*Must enroll in at least two periods that run together. (preferably in the afternoon but exceptions can be made depending on the needs for placement/schedule).

Course Description:

School-to-Work is a program to help students make a successful transition from high school to adult life through school-based learning, work-based learning, and connecting activities. Emphasis will be on learning the skills it takes to compete in the future world of work. Students may be required to work or shadow outside the scope of a family business. Students with enough graduation credits have the opportunity to work off campus for part or all of the afternoon. Talk with the School-to-Work instructor for further information about work experience requirements.

NDE: A class that provides students the opportunity to connect what they learn in school with worksite application. Students are placed in an occupation that best relates to their career interest and aptitude. The school and business community work together to plan activities that will enable each student to apply the knowledge, attitudes and skills learned in the classroom to actual business situations and positions.

This course must be a part of a Work-based Learning Program.

## Teachers Aide (TA)

Elective Course #81

NDE Course Code: 230800

10 credits 5 each semester

Recommended Prerequisite(s) Pending Application/Placement, and if academic requirements are met

**Course Description:**

NDE: The Student Aide program is offered for students who are working in certain areas of the school operation; for example, office worker, library assistant, or teacher assistant.

\*There is an opportunity for career certification through Project Para.

**HS STEM**

Elective Course #307

NDE Course Code:

10 credits 5 each semester

Recommended Prerequisite(s) Physical Science

**Course Description:**

Students will complete various building projects within given parameters. Projects may require external supplies or limited supplies available. Some projects will be completed on the computer such as coding, tinkercad, circuits, etc. Students will often complete building events and possibly compete for that year's science olympiad competition.

**\*Intro to Criminal Justice (S1)**

Elective Course #327

NDE Course Code: 390015

5 credits

Recommended Prerequisite(s) Grades 10-12

**Course Description:**

NDE: An overview of the history, development and philosophies for crime control and the role of law enforcement within a democratic society. Topics would include an examination of the criminal justice system with an emphasis on the police, the courts (prosecution and defense) and the correctional agencies, and exposure to careers related to criminal justice.

\*This course will be offered in conjunction with Law, Public Safety, Corrections & Security.

\*\*This course may only be offered during alternating years.

**\*Law, Public Safety, Corrections & Security (Law PSCS) (S2)**

Elective Course #328

NDE Course Code: 390010

5 credits

## Recommended Prerequisite(s)      Grades 10-12

## Course Description:

NDE: An exploration of the five pathways of this career cluster: correction services, emergency and fire management services, law enforcement services, legal services and security and protective services, including exposure to careers within all pathways.

\*This course will be offered in conjunction with Intro to Criminal Justice.

**\*\*This course may only be offered during alternating years.**

## **CNA (Certified Nursing Assistant)**

## NA/CNA Elective Course

## NDE Course Code: College Course

or Only When Dual Credit: 077400

10 credits 5 each semester

Recommended Prerequisite(s) \*There is a student fee for this course.\*  
Permission Required, must be 16

### Course Description:

This course is designed to provide students with the essential knowledge and skills to deliver basic care to residents/clients of healthcare facilities. Topics include resident rights, communications, safety, observations, reporting, and assisting residents/clients in maintaining basic comfort and safety. Upon completion of the course, the student will arrange to take a written or oral examination to demonstrate skill competency. The course is designed to meet the training requirements of the federal and Nebraska state law for nursing assistants working in licensed facilities.

NDE: This is a basic nursing knowledge and skills course for the nurse assistant in a health care setting. It meets the requirements of Public Law 100-203 OBRA and is approved by the Nebraska Department of Health.

Classroom, laboratory and educational leadership activities are supplemented through Nebraska HOSA/Future Health Professionals, Career Student Organization.

\*Successful completion of the course allows students to seek employment as a certified CNA.

## Med Aide (S2)

## MEDAIDE Elective Course

NDE Course Code: College Course

or Only When Dual Credit: 077401

5 credits

Recommended Prerequisite(s) \*There is a student fee for this course.\*

Permission Required, must be 18 to take the certification exam.

**Course Description:**

A course of instruction in which an individual receives training in administering medications, this course has a minimum requirement of 40 hours and students must be 18 yrs of age in order to sit for the written exam administered by the state board of Health and Human Services. This course must be taught by an R.N. licensed in QMA. This course may be available for dual credit at a postsecondary institution.

\*\*This course is only offered 2nd Semester.

**Medical Terminology**

MED TERM Elective Course

NDE Course Code: College Course

or Only When Dual Credit: 077600

10 credits 5 each semester

Recommended Prerequisite(s) \*There is a student fee for this course.\*

Permission Required, must be 16

**Course Description:**

This course is designed to help students learn medical language by analyzing its components. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions. This course is a fundamental course for students who are pursuing a career in the healthcare profession. It is the basic language required for all areas of health science and is required for any health care profession beginning with entry level staff.

**eSports**

Elective Course # Ele\_eSports

NDE Course Code:

10 credits 5 each semester

Recommended Prerequisite(s) Limited Class Size Availability

**Course Description:**

This course provides an introduction to eSports. The focus of the course is on learning the EsportsFoundations, the professional lifestyle of the players, how streaming works, and the current status of the industry. In this course, students will not only learn about the esports industry, they will also engage in the play experience and get a deeper insight into the esports ecosystem. In the course, students will play esports games as gamers but will also look at the experience as designers and critical thinkers.

## NSAA Sports Officiating

Elective Course # PE\_Sports

NDE Course Code: 80124

10 credits 5 each semester

Recommended Prerequisite(s) Open to Grade 11-12

### Course Description:

This course is designed to offer students the coursework and experience to officiate in a variety of major sports including, but not limited to, basketball, football, volleyball, baseball/softball, and soccer.

The NSAA has partnered with an officiating education company called RefReps ([www.refreps.com](http://www.refreps.com)). RefReps provides a comprehensive Sports Officiating Education curriculum for more than a dozen sports. The NSAA is committed to supporting our member schools by providing student athletes with the opportunity to benefit from the participation in interscholastic sports. Like most other states across the country, we are experiencing a decline in officials here in Nebraska. This is why we are excited to partner with RefReps, an educational technology company, that provides the tools, resources, and course work to assist schools in their efforts to teach sports officiating as a class. This partnership will help the NSAA and our member schools recruit and train the next generation of sports officials.

\*Successful completion of the course allows students to seek employment as a certified NSAA referee.

## Jobs for America's Graduates (JAG)

Jobs for America's Graduates (JAG Nebraska) is dedicated to empowering students with the personal and professional development skills and support to achieve success in high school graduation, further-education and employment following high school graduation. JAG Nebraska programming is provided as in-school, for-credit class electives during the school day. Classes integrate project-based learning and employer engagement through hands-on, realistic learning experiences where students master up to 87 competencies translatable to the workforce. JAG also provides leadership development experiences through extracurricular activities which include student-led planning and engagement for public service and social awareness projects and activities in addition to participation in State and National JAG conferences throughout the school year. As a result of JAG Nebraska, students become equipped to contribute to the local community through attainment of meaningful employment and active civic engagement skills.

## **JAG 1: Introduction to Jobs for America's Graduates - High School Career Development**

Elective Course # Ele\_JAG1

NDE Course Code: 320101

10 credits 5 each semester

Recommended Prerequisite(s): Program Recommendation, GPA Requirements, Program Qualification Criteria

### **Course Description:**

JAG 1 introduces students to the foundational skills necessary for personal and professional success. The course emphasizes personal development, goal setting, and career readiness, helping students develop the skills required for high school graduation, further education, and meaningful employment. Throughout the course, students will engage in project-based learning and employer engagement opportunities, mastering competencies translatable to the workforce. They will also begin using the Nebraska Career Education Model to explore personal interests, skills, and values and how these connect to academic and career decision-making. Students will learn to set goals, develop a Personal Learning Plan, and apply their knowledge toward post-secondary planning.

### **Note:**

This course is designed for beginners and focuses on helping students gain essential skills for career success, academic planning, and leadership. Students will demonstrate proficiency in Nebraska Career Readiness Standards of Practice, preparing them for future workforce expectations. Students in this course will likely be enrolled concurrently with students at other levels of the JAG program.

## **JAG 2: Intermediate Career Development and Skills Application**

Elective Course # Ele\_JAG2

NDE Course Code: 329930

10 credits 5 each semester

Recommended Prerequisite(s): Program Recommendation, GPA Requirements, Program Qualification Criteria

### **Course Description:**

JAG 2 builds upon the knowledge gained in JAG 1, placing greater emphasis on real-world application of career development skills. Students will deepen their understanding of the Nebraska Career Education Model, focusing on career and college planning processes. They will refine their personal goals and develop strategies for overcoming challenges in academic and career pathways. Through hands-on learning, including job shadowing and employer engagement, students will master additional competencies related to workforce readiness. This course encourages students to

participate in leadership development opportunities through extracurricular activities, such as public service projects and JAG State and National conferences.

**Note:**

This intermediate course is designed to apply job readiness skills, with an emphasis on leadership development, project-based learning, and career exploration. Students will continue to build on their Personal Learning Plans, aligning their academic goals with career aspirations. Students in this course will likely be enrolled concurrently with students at other levels of the JAG program.

### **JAG 3: Mastery of Workforce Skills and Career Readiness**

Elective Course # Ele\_JAG3

NDE Course Code: 329931

10 credits 5 each semester

Recommended Prerequisite(s): Program Recommendation, GPA Requirements, Program Qualification Criteria

**Course Description:**

In JAG 3, students are expected to demonstrate mastery of workforce skills acquired through previous JAG courses. Using the Nebraska Career Education Model and related resources, students will create an advanced Personal Learning Plan, integrating knowledge of self, career goals, and financial planning. This course prepares students for successful transitions from high school to post-secondary education or immediate employment by participating in internships, community service projects, and networking with local employers. JAG 3 also emphasizes the development of leadership and civic engagement through participation in State and National JAG conferences, preparing students to become active and contributing members of their community.

**Note:**

This course is for advanced students and focuses on mastery of job readiness skills, leadership, and community engagement. Students will demonstrate proficiency in the Nebraska Career Readiness Standards of Practice and apply them in real-world contexts. Students in this course will likely be enrolled concurrently with students at other levels of the JAG program.

### **JAG 4: Mentorship, Leadership, and Community Engagement**

Elective Course # Ele\_JAG3

NDE Course Code: 329932

10 credits 5 each semester

Recommended Prerequisite(s): Program Recommendation, GPA Requirements, Program Qualification Criteria

**Course Description:**

JAG 4 provides students the opportunity to mentor and lead their peers in the JAG program. As mentors, students will assist others in career readiness, goal setting, and personal development, while continuing to refine their own skills. This advanced course focuses on leadership development, project management, and community engagement. Students will take the lead in organizing JAG events, mentoring younger students, and engaging in public service and social awareness projects. Participation in JAG's extracurricular activities, including planning for State and National conferences, provides students with leadership experience that extends beyond the classroom.

**Note:**

This course is for advanced students focused on leadership, mentoring, and civic engagement. Students will further develop their Personal Learning Plans and engage in leadership roles that impact both their school and community, preparing them for lifelong success. Students in this course will likely be enrolled concurrently with students at other levels of the JAG program.

## **Physical Education Elective Course Offerings**

\*additional credits will count as Elective Credit

### **Weights 1**

PE Elective Course #19

NDE Course Code: 080111

10 credits 5 each semester

Recommended Prerequisite(s)

Course Description:

Weights 1 is an introduction to weight training. In Weights 1 students will learn the proper way to begin and keep up with workouts. Proper form and technique will be stressed throughout the class. Each student will be instructed on ways to achieve their individual goals in terms of weight training, whether that would be to gain or lose weight or to move into powerlifting or just lift as a recreational and lifetime sport.

NDE: This course is designed for the beginning weight training student and focuses on the development of knowledge and skills utilizing free weights or resistance machines. It includes proper lifting techniques, spotting methods, weight room safety, and workout routines.

### **Weights 2**

PE Elective Course #19

NDE Course Code: 080112

10 credits 5 each semester

Recommended Prerequisite(s)    Weights 1

Course Description:

NDE: This course is designed for the intermediate weight training student. It builds on Introduction to Strength and Conditioning by applying basic strength principles and concepts of proper lifting techniques, spotting methods, weight room safety, and workout routines to the intermediate weight training student. The principles of training (progression, overload, specificity, regularity and individuality) are incorporated into this course.

### **Weights 3**

PE Elective Course #314

NDE Course Code: 080113

10 credits    5 each semester

Recommended Prerequisite(s)    Weights 1, Weights 2

Course Description:

NDE: This course is designed for the advanced weight training student. It includes advanced lifting techniques and conditioning programs that students will design and integrate into their own individualized strength programs.

### **Lifetime Fitness**

PE Elective Course #179

NDE Course Code: 080120

10 credits    5 each semester

Recommended Prerequisite(s)    Required: Phys Ed 9

Course Description:

Lifetime Fitness is a course designed to educate students on lifetime fitness activities and choices. Lifetime Fitness class will include daily participation, assignments, and research. Lifetime Fitness is a course designed for students who are self-motivated toward wanting to improve their physical activity levels while learning new material to incorporate into their daily life

NDE: This course includes basic skills, knowledge and strategies of lifetime activities that contribute to a healthy, active adult lifestyle. Students will participate in a variety of lone, duo, and group lifetime activities.

## **Additional Offerings and Partnerships with Academic Institutions**

From time to time, additional course offerings may be provided through the school's use of online programming (such as Edgenuity, Odysseyware, or similar programs), course offerings provided through the School within a School, Nebraska Educational Virtual Academy (NEVA), internships/work-based programs of study, course offerings through the Western Nebraska Distance Learning Consortium, Network Nebraska partners, and Institutions of Higher Learning (including, but not limited to: Western Nebraska Community College, Chadron State College, Nebraska Wesleyan University, the University of Nebraska), and the Nebraska Math Readiness Project (in coordination with Western Nebraska Community College). Students and parents are encouraged to visit with our school counselor and/or principal for additional information about these options.

**Classes noted with a \* are not offered during the indicated academic year.**

## **Dual Credit and College or University Credit Courses**

### Taking Classes at a College or University (Post-Secondary Options)

A student who is in the 11th or 12th grade and under the age of 21 (or identified for participation through the High Ability Learning (HAL) program or similar special request) may qualify to take college courses while still in high school if he or she:

- Needs more advanced coursework than what is offered at the high school
- Demonstrates a high level of maturity and responsibility, especially regarding the ability to complete college-level work
- Would benefit from a different learning environment

### Earning Credit and Staying Involved

- A student who successfully completes a college course may earn high school credit toward graduation requirements when the course is designated as a dual-credit course. These courses will be included in High School GPA Calculations.
- Students may also take courses for college credit only. These courses may appear on a transcript, but will be excluded from High School GPA Calculations.
- The student is still considered enrolled in the district and remains eligible for all high school activities.

### Costs and Transportation

- As a general rule, the student and his or her family are responsible for tuition costs; the district does not provide any reimbursement.
- From time to time the district may be able to help connect students to additional funding opportunities including scholarships such as Accessing College Early

(ACE scholarships), Bobcat CARES assistance, and funding from grants to the district's HAL program.

- For any courses that are not provided online or through Distance Learning (DL), the student and his or her family must also handle and pay for transportation to and from the college.

## Alternative Education Program

Program Description: Alternative Education Program

Instructor: Todd Westover

Location: South Campus

The alternative education program is divided into three separate divisions:

1. The School Within a School (SWS) program
2. Summer School
3. The monitoring of some online college classes

### School Within a School (SWS)

The general purpose of the SWS is to provide credit recovery for students who experience gaps in their educational plans due to various reasons, such as failure to pass classroom courses, life events, or transferring into the district without the credits needed to graduate.

SWS operates as a computer-based online program using Edgenuity Learning (formerly Odysseyware). Courses used for credit recovery are aligned with Nebraska standards. These courses are developed collaboratively by the principal, counselor, and the SWS instructor. Some courses for credit recovery allow students to "test out" of material they have already mastered. However, students using SWS courses to gain credits for courses missing from their transcripts typically do not have access to the "test out" option.

#### Grading:

SWS courses are graded on a Pass/Fail basis. Students must achieve a 70% mastery of each lesson, quiz, and test to move forward in the course. Weekly progress is calculated by dividing the total percentage of the course left to complete by the number of weeks remaining. This percentage is typically around 5% per week. Weekly progress updates are communicated to each student at the beginning of the week. Students have the opportunity to complete courses early if they progress at a faster pace.

#### Course Structure:

A typical semester course, worth 5 transcript points, consists of 5 units and a semester test. Each unit contains around 25-30 lessons with quizzes interspersed approximately every 6 lessons. Students must pass lessons, quizzes, and tests with a minimum

mastery of 70%. Students are given three automatic attempts to complete each assignment. If additional attempts are required, the instructor must reset the assignment, and targeted one-on-one intervention is provided.

Students who achieve an 85% cumulative score before taking the semester exam are exempt from taking the exam. This policy incentivizes students to master lessons and quizzes at a level higher than the minimum threshold.

## **Alternative Placement**

From time to time SWS may also serve as an extension of the general education environment for students assigned to a modified attendance plan and individualized instruction for academic, social, or behavioral reasons. In these situations the SWS instructor will facilitate an environment where students can complete the learning tasks assigned to them by and assessed by the district's teaching staff.

## **Summer School**

Summer School operates as an accelerated version of the SWS program. It runs for two weeks, typically during the first couple of weeks of summer break. Each day consists of 6 hours of instruction over 10 days. The primary purpose of Summer School is credit recovery. Students are allowed to "test out" of material they have already mastered to expedite their progress.

## **Monitoring College Classes**

The administration of college courses is facilitated by the school counselor. The role of the SWS instructor or other staff member monitoring college classes is to provide a quiet, focused learning environment conducive to academic success. Many of these courses are delivered via live Zoom sessions or recorded computer-based lessons.

The school counselor is responsible for submitting grades and communicating with parents and proctors regarding student progress and performance.