

OVERTON HIGH SCHOOL CURRICULUM GUIDE



2026-2027

Revised 6/2026

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Graduation shall be upon the recommendation of the Superintendent, providing the student meets the following requirements:

1. The student must receive a passing grade of 70% or above in 250 semester hours of work to include the following courses:

LANGUAGE ARTS	40 Hours
MATHEMATICS	40 Hours
SOCIAL SCIENCES	30 Hours
GOVERNMENT	10 Hours
NATURAL SCIENCES	30 Hours
PERSONAL FINANCE	5 Hours
COMPUTER SCIENCE	5 Hours
P.E./HEALTH	10 Hours
SPEECH	5 Hours
ART	5 Hours
REQUIRED COURSE HOURS	180 Hours
ELECTIVES	70 Hours
TOTAL COURSE HOURS	250 Hours

2. A minimum of 40 earned semester hours credits must be earned during the school year in which the student intends to graduate. Credit hours will be computed in accordance with the Nebraska Department of Education.

Exceptions to these requirements shall be made and approved only by the Superintendent. Credits may be transferred from other schools and adjustments may be made in subject matter requirements.

Conflicts and/or costs arising from a student who must retake a required course because of a failing grade will be the responsibility of the student and his/her parents.

A student who has not met the requirements for graduation but who has attended school regularly may, with the recommendation of the Superintendent, be granted a Certificate of Attendance. Students receiving a Certificate of Attendance shall not be eligible to participate in the graduation ceremony.

GRADUATION HONORS

The student who completes the requirements for graduation and has the highest scholastic average for the four years of high school shall be considered the Valedictorian and the student who has the second highest scholastic average for the four years of high school will be declared the Salutatorian. To be recognized as the Valedictorian or Salutatorian, the students must have been in attendance at Overton High School for his/her entire senior year.

DUAL CREDIT COURSES

Dual Credit Courses may be offered by teachers who have met College and/or University certification to provide the course as a dual credit offering. Students also have the opportunity for Dual Credit Classes through the NebraskaNOW and Peru State course offerings. Students must meet College/University requirements to enroll in Dual Credit Classes. Students must have at least a 'C' average to enroll in these classes. All costs associated with Dual Credit Classes are the responsibility of the student.

CORRESPONDENCE COURSES

Correspondence classes may be used to fulfill graduation requirements so long as the class they are taking through correspondence is not offered by the district, or there are unavoidable conflicts within the student's schedule. All correspondence classes require the approval of the counselor and Principal. Correspondence class hours shall be limited to 40 hours. Conflicts and/or costs arising from a student who must retake a required course because of a failing grade will be the responsibility of the student and their parents/guardians.

COURSE DESCRIPTIONS

The following course descriptions are designed to give, students and parents, a brief overview of the subject matter to be covered in each course. Please be aware of any prerequisites that may be necessary before registering for a particular class. Some prerequisites may be waived at the discretion of the teacher and with the approval of the administration. These course descriptions are not meant to be a curriculum guide, any additional questions a student or parent may have in regard to curriculum content can be answered by the teacher.

VISUAL ARTS

Freshmen	Sophomores	Juniors	Seniors
* Art I	* Art I * Art II * Sophomore Exploratory	* Art I * Art II * Art III	* Art I * Art II * Art III * Art IV

ART I (020100)

5 CREDIT HOURS PER SEMESTER

EMILY BROOKS

NO PREREQUISITE

This course reviews the elements and principles of design. Various techniques in drawing, ceramics, and sculpture are explored, while including learning and exploring other artists. Weekly sketches will be done, in class along with more complex projects. Rubric grading is implemented that includes lesson vocabulary. Some oral critiques and explanations are required.

ART II (020200)

5 CREDIT HOURS PER SEMESTER

EMILY BROOKS

PREREQUISITE: MINIMUM 83% IN ART I

This course continues in the mastery of drawing, ceramics and sculpture (techniques, vocabulary and skills learned in Art 1 will be expounded on) and introduces acrylic and watercolor painting. Other artists and their work will be explored for inspiration and techniques. Weekly sketches will be done, in class along with more complex projects. Rubric grading is implemented that includes lesson vocabulary. Some oral critiques and explanations are required.

ART III (020300)

5 CREDIT HOURS PER SEMESTER

EMILY BROOKS

PREREQUISITE: MINIMUM 85% IN ART II

In this course students continue to explore different artists and develop their own style. Different mediums including but not limited to; cloth mache, stained glass, and graphic art may be explored-based on overall interest and class size. Weekly sketches will be done, in class along with more complex projects. Rubric grading is implemented that includes lesson vocabulary. Some oral critiques and explanations are required.

ART IV-INDEPENDENT STUDY (020702)

5 CREDIT HOURS PER SEMESTER

EMILY BROOKS

PREREQUISITE: MINIMUM 91% IN ART III

This is a guided independent study art class. Contracts will be followed each quarter that are filled out by the student and discussed with and approved of by the teacher. The contract will require one painting, one drawing, one sculpture-all with minimum size requirements but in medium of choice, one of the 3 projects must be inspired by an artist or art movement in which a research paper will be written with an accompanying explanation of how they used the research to influence their chosen piece. Weekly sketches will be done, in class along with more complex projects. Rubric grading is implemented that includes lesson vocabulary and an individual teacher evaluation of craftsmanship, development and overall impact of the work. Some oral critiques and explanations are required.

SOPHOMORE EXPLORATORY-FUNDAMENTALS OF DESIGN (020101)

5 CREDIT HOURS (1 SEMESTER REQUIRED FOR GRADUATION)

EMILY BROOKS

PREREQUISITE: NONE

This course is a semester long and opposite Speech. A variety of art mediums is explored in this course: graphic art, sculpture, decoupage, printmaking and clay are some but not all. iPads will be used to create digital art and the Homecoming poster for the current year and following year will be created. Effort and a positive attitude are major factors contributing to the final grade.

BUSINESS, MARKETING & MANAGEMENT

Freshmen	Sophomores	Juniors	Seniors
* Personal Finance	* Intro. to Marketing	* Intro. to Marketing * Accounting	* Intro. to Marketing * Accounting * Economics/Wealth Building

PERSONAL FINANCE (033000) 5 CREDIT HOURS PER SEMESTER

JEFFREY MATTHEWS
FRESHMAN STATUS

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

ECONOMICS/WEALTH BUILDING 5 CREDIT HOURS PER SEMESTER

JEFFREY MATTHEWS
SENIOR STATUS

ECONOMICS 1st SEMESTER (031800)

Economics is a course designed to help students understand decision-making. This economic reasoning process involves the consideration of costs and benefits with the ultimate goal of making decisions that will enable individuals and societies to be as well-off as possible. The course will use economic principles applied to current events and issues. Emphasis includes decision-making, allocation of scarce resources, incentives, economic institutions, markets and prices, economic systems, market structures, productivity, role of government, global economic concepts, and economic indicators.

WEALTH BUILDING 2ND SEMESTER (033002) 5 CREDIT HOURS PER SEMESTER

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

NOT OFFERED DURING 2026-2027 SCHOOL YEAR

ACCOUNTING 1 (030501) 5 CREDIT HOURS PER SEMESTER

JEFFREY MATTHEWS
JUNIOR OR SENIOR STATUS

Do you want to keep the daily accounting records of a business? Or are you a small business owner or office manager who becomes embarrassed or mystified when others start talking about debits and credits or discussing financial statements? Learn how to record the daily transactions of a business using the rules of debit and credit and convert this data into useful financial statements. Learn how to record journal entries, post, use special journals and subsidiary ledgers, prepare adjusting entries related to accruals and deferrals, prepare closing entries, establish basic internal controls, and prepare financial statements.

MARKETING (038100) 5 CREDIT HOURS PER SEMESTER

JEFFREY MATTHEWS
SOPHOMORE, JUNIOR, OR SENIOR STATUS

This course develops basic student understanding and skills in the functions of marketing. Emphasis is placed on the impact of marketing activities on the individual, business, and society. Topics include market analysis, marketing information management, target customer identification, the development of marketing-mix strategies, and an in-depth look at the selling process.

COMMUNICATION & INFORMATION SYSTEMS

Freshmen	Sophomores	Juniors	Seniors
* Foundations of Computing	* Digital Media / Digital Design/Media Production/Video Production	* Digital Media / Digital Design/Media Production/Video Production	* Digital Media / Digital Design/Media Production/Video Production

FOUNDATIONS OF COMPUTING (270704)

5 CREDIT HOURS PER SEMESTER

JEFFEREY MATTHEWS

FRESHMEN-STATUS

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.

YEARBOOK/MEDIA/COMMUNICATIONS

5 CREDIT HOURS PER SEMESTER

JEFFREY MATTHEWS

SOPHOMORE – SENIOR STATUS

YEARBOOK (270602)

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) copy writing, 5) interviewing techniques, 6) production management, and 7) sales and marketing promotions.

DIGITAL MEDIA (270602)

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

DIGITAL DESIGN (270611)

This course will introduce students to the technical tools and processes used in digital design. Students will be introduced to the design process model which includes typography, color, and imagery. In addition, design software will be utilized to create graphics, animation, web pages, and video. Students will demonstrate proper use of fair use guidelines. Career opportunities in digital design will be explored.

VIDEO & MEDIA PRODUCTION

5 CREDIT HOURS PER SEMESTER

JEFFREY MATTHEWS

SOPHOMORE – SENIOR STATUS

VIDEO PRODUCTION 1ST SEMESTER (270609)

Students will expand their media skills of interviewing, reporting, writing, editing, photography/videography, and design. Students will explore careers while working together to create projects in a variety of media, such as print, web, podcast, and/or broadcast. The emphasis of Video Production is on collaboration and career exploration.

MEDIA PRODUCTION 2ND SEMESTER (270610)

Students will apply their media skills of interviewing, reporting, writing, editing, photography/videography, and design. Students will produce in a variety of media, such as print, broadcast, video, audio, internet, and/or mobile.

ENGLISH LANGUAGE ARTS				
Options	Freshmen	Sophomores	Juniors	Seniors
General / Tech Prep.	* English 9	* English 10 * Speech	* English 11	* English 12
College Prep.	* English 9	* English 10 * Speech	* English 11	* English 12

ENGLISH I (050021)

5 CREDIT HOURS PER SEMESTER

ASHLEY WYATT

FRESHMAN STATUS

The English I curriculum supports the Nebraska Language Arts Standards (rev. 2021).

English I focuses on the study of grammar and composition, six-trait writing, as well as the investigation of literature by genre. A review of the traditional grammar and usage study prefaces the writing of paragraphs, essays, and other compositions. Creative expression (both written and verbal) is also emphasized and is often presented in conjunction with the particular type of literature being studied. Independent reading of a variety of books will also be required. Students will also be polishing their reading, writing, speaking, and listening skills. Students will participate in the Accelerated Reader program both Semesters.

ENGLISH II (050022)

5 CREDIT HOURS PER SEMESTER

ASHLEY WYATT

SOPHOMORE STATUS

The English II curriculum supports the Nebraska Language Arts Standards (rev. 2021).

The literature study in English II illustrates various aspects of the human condition. Fiction, nonfiction, short stories, drama, poetry, and full-length novels are all used as part of the curriculum. Writing skills and the six-trait writing methods are emphasized, studied and practiced frequently. Various types of compositions are required ranging from paragraphs and essays, to short stories. Students will also be required to read independently outside of class. Students will also be polishing their reading, writing, speaking, and listening skills. Students will participate in the Accelerated Reader program both Semesters.

ENGLISH III (050023)

5 CREDIT HOURS PER SEMESTER

ASHLEY WYATT

JUNIOR STATUS

The English III curriculum supports the Nebraska Language Arts Standards (rev. 2021).

A chronological study of American literature and major American authors is the focus of English III. The anthology is used as a guide with the insertion of individual novels at relevant times. The techniques of persuasive writing are studied and practiced through a variety of assignments. Each student must also read outside of class. Students will also be polishing their reading, writing, speaking, and listening skills. Students will participate in the Accelerated Reader program both Semesters.

ENGLISH IV (050024)

5 CREDIT HOURS PER SEMESTER

ASHLEY WYATT

SENIOR STATUS

The English IV curriculum supports the Nebraska Language Arts Standards (rev. 2021). Students study the oral tradition, fiction, nonfiction, poetry, and drama of numerous world cultures including Greece, Rome, Africa, Asia, Europe, and the Americas. Emphasis is on reading, writing, speaking/listening, and multiple literacies. Students complete a variety of writing activities including literary criticism, biographical narrative, essay, journal entry, poem, research reports, and business and technical writing. Speaking opportunities include debate, discussion, interview, persuasive speech, oral interpretation of a short story, and reflective presentation.

SPEECH (050501)
5 CREDIT HOURS PER SEMESTER

ASHLEY WYATT
SOPHOMORE STATUS

This course offers the student the opportunity to learn the fundamentals of communication and the processing, preparing, organizing, presenting, and evaluating of speeches. Students will also explore the genre of drama and study and practice theatre techniques. Participation in speech/drama competitions is encouraged but not required. This class is a one semester class opposite Art I.

ENGLISH as a SECOND LANGUAGE

Freshmen	Sophomores	Juniors	Seniors
* English Foundations * Math Foundations * Science Foundations * Social Science Foundations	* English Foundations * Math Foundations * Science Foundations * Social Science Foundations	* English Foundations * Math Foundations * Science Foundations * Social Science Foundations	* English Foundations * Math Foundations * Science Foundations * Social Science Foundations

All Foundation course students are admitted based on their English Language testing. Testing results will determine if the student is placed into Foundations Level I, Level II, or Level III.

ENGLISH FOUNDATIONS (310051) 5 CREDIT HOURS PER SEMESTER

ALICIA LUTHER
FRESHMAN - SENIOR STATUS

A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in the area of language arts, including the full range of language experiences i.e., oral, listening, reading and writing skills. This course is designed for students whose instructional level is at the secondary level (grades 9-12).

MATH FOUNDATIONS (310111) 5 CREDIT HOURS PER SEMESTER

ALICIA LUTHER
FRESHMAN - SENIOR STATUS

A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in mathematics for students whose instructional level is grades 9-12.

SCIENCE FOUNDATIONS (310131) 5 CREDIT HOURS PER SEMESTER

ALICIA LUTHER
FRESHMAN - SENIOR STATUS

A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in science for students whose instructional level is at the secondary level (grades 9-12).

SOCIAL SCIENCE FOUNDATIONS (310151) 5 CREDIT HOURS PER SEMESTER

ALICIA LUTHER
FRESHMAN - SENIOR STATUS

A special course designed to provide students who are learning the English language with subject matter knowledge reflecting the Nebraska State Standards in social studies for students whose instructional level is at the secondary level (grades 9-12).

WORLD LANGUAGE			
Freshmen	Sophomores	Juniors	Seniors
	* Spanish I	* Spanish II	* Spanish III

SPANISH I (060241)
5 CREDIT HOURS PER SEMESTER

ALICIA LUTHER
SOPHOMORE STATUS

This course is designed to develop basic abilities in the Spanish language. Emphasis is placed on pronunciation, grammar, and vocabulary with development of the communication skills of listening, speaking, reading, and writing. Learning about Spanish-speaking cultures is included as an integral part of understanding the language.

SPANISH II (060242)
5 CREDIT HOURS PER SEMESTER

ALICIA LUTHER
JUNIOR STATUS

This course begins with a review of skills learned in Spanish I. Further grammar and vocabulary are taught with continued attention to listening, speaking, reading, and writing. Learning about Spanish-speaking cultures continues to be an integral part of language study.

SPANISH III (060243)
5 CREDIT HOURS PER SEMESTER

ALICIA LUTHER
SENIOR STATUS

This course begins with a review of skills learned in Spanish II. There is an expansion of grammar and vocabulary study with attention to listening, speaking, reading, and writing. Learning about Spanish-speaking cultures is pursued in the classroom. There is also opportunity for cultural learning outside the classroom.

FAMILY & CONSUMER SCIENCE

Freshmen	Sophomores	Juniors	Seniors
* Intro. to FCS * Intro. To Design/Textile Construction * Leadership & Ethics in Human Services	* Child Development/ Parenting * Foods & Nutrition / Culinary * Intro. To Design/Textile Construction	* Child Development/ Parenting * Foods & Nutrition / Culinary * Intro. To Design/Textile Construction * Leadership & Ethics in Human Services * Child Development / Early Childhood Ed.	* Child Development/ Parenting * Foods & Nutrition / Culinary * Intro. To Design/Textile Construction * Leadership & Ethics in Human Services * Life & Career Readiness/ Relationships * Child Development / Early Childhood Ed.

INTRODUCTION TO FAMILY & CONSUMER SCIENCE (090101)

5 CREDIT HOURS PER SEMESTER

SHALEE MCCARTER

FRESHMAN STATUS

This introductory course is intended to provide a basic overview of all areas within Family and Consumer Sciences. Basic knowledge and career skills that are applicable to personal growth and career development will be covered. Additional course topics include: leadership, communication, child development, mental health, nutrition and food preparation, clothing and interior design, and personal finance.

INTRODUCTION TO DESIGN/TEXTILE CONSTRUCTION

5 CREDIT HOURS PER SEMESTER

SHALEE MCCARTER

FRESHMAN - SENIOR STATUS

INTRODUCTION TO DESIGN (1ST SEMESTER) (090126)

This introductory course explores the definition, application and evaluation of elements and principles of design in the interior and apparel industries. Topics covered include knowledge of textiles, apparel skills, and interior design skills. Design technology, career opportunities and the skills necessary for careers in design will also be included.

APPAREL PRODUCTION AND CONSTRUCTION "TEXTILE CONST" (2ND SEMESTER) (090103)

This intermediate course provides an understanding of garment and apparel construction building on concepts from the introductory course. Topics covered will include career exploration, textile and apparel design, creation, alteration, selection, and maintenance. This course integrates knowledge, skills, technology, and practices required for careers in the apparel and textiles industry.

FUNDAMENTALS OF NUTRITION / CULINARY ESSENTIALS

5 CREDIT HOURS PER SEMESTER

SHALEE MCCARTER

SOPHOMORE – SENIOR STATUS

FUNDAMENTALS OF FOOD & NUTRITION (1ST SEMESTER) (090107)

This introductory course provides students with foundational knowledge and skills in food preparation and nutrition planning. Topics covered include career exploration, global food systems, six essential nutrients, dietary recommendations, kitchen and food safety and sanitation, food preparation skills, and meal planning concepts.

CULINARY (2ND SEMESTER) (370021)

This course is designed to provide students with a curriculum 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.

**LIFE & CAREER READINESS / INTERPERSONAL RELATIONSHIPS
5 CREDIT HOURS PER SEMESTER****SHALEE MCCARTER
SENIOR STATUS****LIFE & CAREER READINESS (1ST SEMESTER) (090104)**

This course is designed to prepare students for responsibilities in a home, family, and work environment. Personal and career development will be expanded. Topics covered include adult roles and responsibilities, goal setting, decision making, communication, leadership, personal finance, consumer skills, and personal wellness.

INTERPERSONAL RELATIONSHIPS (2ND SEMESTER) (090116)

This capstone course focuses on the effect of interpersonal relationships building on concepts from the introductory and intermediate courses. The course includes concepts such as effective communication, establishing and maintaining relationships, diverse family systems, characteristics of personal development, and the impact of relationships on personal and career success. The impact of relationships on the wellbeing of individuals, families, work, and society will also be explored.

**CHILD DEVELOPMENT / PARENTS & FAMILIES
5 CREDIT HOURS PER SEMESTER****SHALEE MCCARTER
SOPHOMORE – SENIOR STATUS****CHILD DEVELOPMENT (1ST SEMESTER) (090119)**

This intermediate course provides an overview of developmental stages in the prenatal period through 12 years of age building on concepts from the introductory course(s). Topics covered include how young children attain knowledge, behaviors, and skill and theories of child development to identify the effects of parenting practices, social, cultural, and linguistic diversity. The impact of quality child care and early childhood education on child growth and development will also be explored.

PARENTS AND FAMILIES (2ND SEMESTER) (090117)

This intermediate course will evaluate the effects of parenting roles and responsibilities building on concepts from the introductory course. Topics covered will include influences on parenting, decisions to parent, support services for parents, parenting theories, and family adjustment to parenthood. Emphasis will be placed on positive actions to support the physical, emotional, intellectual, and social development of family members.

NOT OFFERED DURING THE 2026-27 SCHOOL YEAR**LEADERSHIP & ETHICS IN HUMAN SERVICES (090208)
5 CREDIT HOURS PER SEMESTER****SHALEE MCCARTER
FRESHMAN – SENIOR STATUS**

This course is designed to provide a background of leadership styles and information on the necessary leadership skills including collaboration, ethics and teamwork. The course is assessed with a real-life opportunity to demonstrate one's own leadership style through a practical, personal experience. Classroom, laboratory and educational leadership activities are supplemented through Nebraska FCCLA Career Student Organization.

INDUSTRIAL TECHNOLOGY

Freshmen	Sophomores	Juniors	Seniors
* Welding I/Woods I	* Advances Woods / Advanced Welding * Mechanical / Architectural Drafting	* Advances Woods / Advanced Welding * Mechanical / Architectural Drafting *Power, Structural and Technology Systems	* Advances Woods / Advanced Welding * Mechanical / Architectural Drafting *Power, Structural and Technology Systems * Structural Systems * Small Engines

MANUFACTURING PROCESSES 5 CREDIT HOURS PER SEMESTER

**MICAH NOEL
FRESHMAN STATUS**

WELDING I (101930)

This course introduces students to arc welding and cutting processes. Emphasis is placed on welding safety, basic welding procedures, and career opportunities in welding. Students will have an opportunity to learn and practice various welding positions. Production of a small product will be incorporated.

WOODS I (101920)

In this intermediate class, students will be introduced to the basic manufacturing process in wood. An emphasis will be placed on safe tool and machine usage as well as reading plans and using materials to take a project from conception to reality.

MECHANICAL / ARCHITECTURAL DRAFTING (100140) 5 CREDIT HOURS PER SEMESTER LIMIT OF 6 STUDENTS PER SEMESTER

**MICAH NOEL
PREREQUISITE: WELDING I/ WOODS
SOPHOMORE – SENIOR STATUS**

This course will allow the students to learn more about the drafting industry. The students will learn how to produce drawings by using both traditional methods and Computer Aided equipment. The students will produce mechanical, technical, and architectural drawing.

ADVANCED WELDING / ADVANCED WOODS 5 CREDIT HOURS PER SEMESTER PREREQUISITE: WELDING I/ WOODS I

**MICAH NOEL
SOPHOMORE – JUNIOR STATUS**

Advanced Welding (101940)

This class will consist of a semester of Advanced Welding and a semester of Advanced Woodworking. The students will learn advanced methods of welding techniques. They will be required to complete an advanced welding project for the welding portion of this class.

ADVANCED WOODWORKING/CABINETRY (101921)

This portion of the class will build on the skills and machines that the students learned in Woods 1. Students will be required to draft and construct an Advanced Wood project during this class.

POWER, STRUCTURAL AND TECHNOLOGY SYSTEMS FUNDAMENTALS (016000) **MICAH NOEL**
5 CREDIT HOURS PER SEMESTER **SOPHOMORE – SENIOR STATUS**
PREREQUISITE: WELDING I/ WOODS I

This course is designed to provide students with introductory level experiences in selected major areas of agricultural mechanics technology which may include woodworking, agricultural structures, electrical wiring, introductory arc welding, oxy/fuel cutting and welding processes, and power equipment operation and maintenance. Learning activities include information, skill development, and problem solving. Classroom and laboratory activities are supplemented through supervised agricultural experience and FFA leadership programs & activities.

ADVANCED STRUCTURAL SYSTEMS (016003) **MICAH NOEL**
5 CREDIT HOURS PER SEMESTER **SENIOR STATUS**
PREREQUISITE: WELDING I/ WOODS I

Students in the class will learn how the construction industry works. Topics will include Architectural Construction, Civil Engineering, and Blueprint reading. Students will also study the tools, techniques, and safety precautions needed to construct a major project during the school year.

SMALL ENGINES-POWER EQUIPMENT (101651) **MICAH NOEL**
5 CREDIT HOURS PER SEMESTER **SENIOR STATUS**

This introductory course is designed to develop skills in the operation, service, maintenance, and repair of small gas engines and powered equipment. The material covered in this course will be an entryway to other transportation courses.

NOT OFFERED DURING THE 2026-27 SCHOOL YEAR

METALS & FABRICATION (101400) **MICAH NOEL**
5 CREDIT HOURS PER SEMESTER **SOPHOMORE – SENIOR STATUS**
PREREQUISITE: ADVANCED WELDING/WOODS

In this intermediate class, students will be introduced to the basic manufacturing process in metal. An emphasis will be placed on safe tool and machine usage as well as reading plans and using materials to take a project from conception to reality.

MATHEMATICS				
Options	Freshmen	Sophomores	Juniors	Seniors
General / Tech Prep.	* Algebra I	* Geometry	* Math 11	* Financial Algebra
College Prep.		* Algebra II	* Pre-Calculus	* Calculus

ALGEBRA I (110300)

5 CREDIT HOURS PER SEMESTER

DERRICK PULLIAM/KEITH SWIFT

FRESHMAN STATUS

Algebra begins with a review of the basic number properties and leads into the use of algebraic terms and variables. With this knowledge, the student is able to solve equations and inequalities, graph equations, factor polynomials and do the operations with them. Emphasis is placed on reasoning abilities in solving story problems.

GEOMETRY (111200)

5 CREDIT HOURS PER SEMESTER

DERRICK PULLIAM / KEITH SWIFT

FRESHMAN STATUS

Geometry is a college preparatory course in Euclidean plane geometry. The emphasis is on formulating mathematical deductive reasoning both formally (in proofs) and informally (in problems). It also acquaints students with properties of geometric figures, constructions, inductive reasoning, and indirect proofs.

ALGEBRA II (110306)

5 CREDIT HOURS PER SEMESTER

DERRICK PULLIAM

SOPHOMORE STATUS

A college prep class, Advanced Algebra is a review of algebra and an extension of the topics completed there. Additional topics include functions, systems of equations, conic sections and logarithms.

PRE-CALCULUS (111300)

5 CREDIT HOURS PER SEMESTER

DERRICK PULLIAM

JUNIOR STATUS

PREREQUISITE: MINIMUM 79% IN ALGEBRA II

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

MATH 11 (119930)

5 CREDIT HOURS PER SEMESTER

DERRICK PULLIAM

JUNIOR STATUS

Math 11 is a prep class for business math and the ACT. Its main purpose is to give students more exposure to the basic concepts of mathematics. Students will be looking mainly at Algebra 2 concepts again, but more in depth and they will also touch on a few trigonometric concepts.

CALCULUS (110600)

5 CREDIT HOURS PER SEMESTER

DERRICK PULLIAM

SENIOR STATUS

PREREQUISITE: MINIMUM 79% IN PRE-CALCULUS

A college prep class. Calculus is the study of derivatives and integrals. We will go into depth on each of these items and their definitions. Other topics include graphing functions, finding minimums and maximums using derivatives, concavity using derivatives, using logarithms, and using trigonometric functions. Students will use graphing calculators.

FINANCIAL ALGEBRA-ECONOMICS/WEALTH BUILDING
5 CREDIT HOURS PER SEMESTER

JEFFREY MATTHEWS
SENIOR STATUS

FINANCIAL ALGEBRA-ECONOMICS 1st SEMESTER (031800)

Economics is a course designed to help students understand decision-making. This economic reasoning process involves the consideration of costs and benefits with the ultimate goal of making decisions that will enable individuals and societies to be as well-off as possible. The course will use economic principles applied to current events and issues. Emphasis includes decision-making, allocation of scarce resources, incentives, economic institutions, markets and prices, economic systems, market structures, productivity, role of government, global economic concepts, and economic indicators.

WEALTH BUILDING 2ND SEMESTER (033002)

5 CREDIT HOURS PER SEMESTER

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

MUSIC

Freshmen	Sophomores	Juniors	Seniors
* Band * Choir	* Band * Choir	* Band * Choir	* Band * Choir

BAND (120502) **5 CREDIT HOURS PER SEMESTER**

BECKA BRUNTZ
FRESHMAN-SENIOR STATUS

Through participation in band each student will continually work on improving his/her playing skills. The following skills are emphasized: proper breathing, embouchure, and posture; correct production of a clear, full tone with good intonation; sight reading; the ability to read and understand rhythm patterns, music notation and terminology; and self-confidence as a musician. During marching season, the following skills will also be stressed: correct execution of marching maneuvers on the street and field, and production of a solid, full tone while marching. All early practices are required. Students enrolled in band are required to participate in halftime shows, parades, clinics, contests, pep rallies, pep band, concerts, and any other events designated by the instructor. Each student must be a member of band for at least two years to be able to go on the band trip that is held every two years.

JAZZ BAND-----Selected by audition. This group performs at clinics, concerts, and contests. Attendance at all rehearsals is required.

CHOIR (120400) **5 CREDIT HOURS PER SEMESTER**

BECKA BRUNTZ
FRESHMAN-SENIOR STATUS

Through participation in choir, each student shall continually work on improving their singing skills. The following skills are emphasized: proper breathing and posture, the production of a clear, consistent tone that is in tune; sight singing; the ability to read and understand rhythm patterns, music notation and terminology; self-confidence as a singer. Students enrolled in concert choir are required to participate in all concerts, clinics, contests, and any other events as designated by the instructor.

JAZZ CHOIR-----Selected by audition. This group performs at concerts, clinics, and contests. Attendance at all rehearsals is required. Students must maintain a 70% GPA in all classes to audition.

NATURAL SCIENCES

Options	Freshmen	Sophomores	Juniors	Seniors
General / Tech Prep.	* Integrated Science - Physical Science	* Biology	* Science in Practice	
College Prep.	* Integrated Science - Physical Science	* Biology	* Science in Practice * Chemistry	* Chemistry

INTEGRATED SCIENCE – PHYSICAL SCIENCE (130420)

5 CREDIT HOURS PER SEMESTER

KEITH SWIFT

FRESHMAN STATUS

The content of Integrated Science – Physical Science allows students to continue 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. This course will be aligned with Nebraska Standards.

BIOLOGY (130201)

5 CREDIT HOURS PER SEMESTER

SCOTT STECKLEIN

SOPHOMORE STATUS

This course is designed to prepare the students for general biology at the college level. Instruction will include but not limited to the following: biology and our world, cell structure and function, life processes from the cellular level of organization to more complex multi-cellular organisms, heredity, evolution, ecology, and human body systems. Labs activities will supplement instruction and reinforce concepts learned. Example – The “DNA Who Done It” lab is a representation of DNA finger printing used to help solve crimes. This course will be aligned with Nebraska Standards.

SCIENCE IN PRACTICE (139930)

5 CREDIT HOURS PER SEMESTER

SCOTT STECKLEIN

JUNIOR STATUS

The content of Science in Practice allows students to fully develop their understanding of the core ideas in the physical, life, and Earth and space sciences. These ideas include the more complex concepts from chemistry, physics, biology, and Earth and space science. This course will be aligned with Nebraska Standards.

ANATOMY & PHYSIOLOGY (130210)

5 CREDIT HOURS PER SEMESTER

SCOTT STECKLEIN

JUNIOR – SENIOR STATUS

PREREQUISITE: MINIMUM 85% IN BIOLOGY

This course will be divided into two areas of biological study. During the first semester the emphasis of study will be on biochemistry. This will include advanced techniques in DNA science and a study of cellular respiration and photosynthesis. Lab sessions will involve growing bacterial cultures, electrophoresis, DNA extraction, and DNA fingerprinting. During the second semester the focus of study is on human anatomy and physiology. This course is primarily designed for those students interested in studying advanced concepts in science, possibly as a means of preparation for technical or medical related fields. This course will be aligned with the Nebraska Standards.

CHEMISTRY (130301)**5 CREDIT HOURS PER SEMESTER****SCOTT STECKLEIN****JUNIOR - SENIOR STATUS**

This course is a college preparatory class to introduce the basic principles needed to enter the general chemistry courses in college. It is a study of the properties, composition, and structure of matter and the change matter undergoes. The principles of structure, matter energy relationships, the mole concept of various elements lead into the study of chemical symbols and formulas, atomic structures, organization, and reactions. Experimentation will provide hands-on experience in laboratory techniques that are used in any wet-chemistry lab. Labs will also provide practical application of theories and concepts taught. This course will also be aligned with Nebraska Standards.

PHYSICAL EDUCATION

Freshmen	Sophomores	Juniors	Seniors
* PE 9 / Health * Strength & Conditioning	* Strength & Conditioning	* Strength & Conditioning * Lifetime Sports & Fitness	* Strength & Conditioning * Lifetime Sports & Fitness

PHYSICAL EDUCATION AND FITNESS (080107) 5 CREDIT HOURS PER SEMESTER

MARCUS HARVEY
FRESHMAN STATUS

The physical education will be geared toward lifetime sports. The student will be exposed to various sports, learn the rules of the game and learn the proper etiquette involved in playing the game. All students are required to dress in the proper clothing for P.E. class. This includes a gym shirt, gym shorts, and gym shoes. Students will be graded on attitude, skill level, behavior, dress, participation, written tests, skill tests, and notebooks. The health portion will introduce students to ten different areas of health. These areas include: mental, family and social growth and development, nutrition, exercise and fitness, drugs, diseases and disorders, consumer and personal safety and First Aid, and community and environmental health. Students are required to shower. The student will be graded by written tests, quizzes, notebooks, reports, and classroom discussions.

LIFETIME SPORTS & FITNESS (080120) 5 CREDIT HOURS PER SEMESTER

MARCUS HARVEY
JUNIOR – SENIOR STATUS

This physical education class will be geared toward the more serious athletes that want to better themselves in activity or to improve their physical well-being by lifting weights, stretching and running. The students will be exposed to various lifetime sports, learn the rules of the game and learn the proper etiquette involved in playing the game. The student will be required to wear the appropriate P.E. clothes, including: gym shorts, gym shirt, and gym shoes. They will be graded on participation, attitude, behavior, skill level, and dress. Students will be required to shower.

STRENGTH & CONDITIONING (080111) 5 CREDIT HOURS PER SEMESTER

MARCUS HARVEY / CYDNEY WEISS
FRESHMAN – SENIOR STATUS

This course is designed for the student wishing to become a better athlete, or improve overall fitness levels. Students in weight training will lift hard four days a week, and become familiar with proper techniques and terminology of weight lifting. Speed, agility, and flexibility training will also be implemented. Students participating must be of acceptable physical health and be willing to work hard. Gym clothes and shoes are required.

SOCIAL SCIENCES

Options	Freshmen	Sophomores	Juniors	Seniors
General / Tech Prep.	* Geography	* World History	* American History	* Government
College Prep.	* Geography	* World History	* American History	* Government

GEOGRAPHY (150700) **5 CREDIT HOURS PER SEMESTER**

MICHAEL PHELPS
FRESHMAN STATUS

This course covers the physical and cultural geography of the seven continents. Much of the class time will be spent in reading, mapping and exploring the cultures of each continent. Each unit describes the geography of a region; such as its landforms, climate, and resources. The units also include the history, political, and economic development of our world's major geographic regions.

WORLD HISTORY (150800) **5 CREDIT HOURS PER SEMESTER**

MICHAEL PHELPS
SOPHOMORE STATUS

This course studies world history from the Early Middle Ages to modern historical events. Main points of emphasis include the study of the different religions, the Renaissance, the Reformation, growth of European nations, World Wars, and the Cold War. Emphasis is placed on major world events and conflicts and how these conflicts helped develop the present day nation states.

AMERICAN HISTORY (150820) **5 CREDIT HOURS PER SEMESTER**

MICHAEL PHELPS
JUNIOR STATUS

The first semester will begin with a review of American History up to the Civil War. Then we will study the causes of the Civil War and the Civil War Era. Then the focus will be upon Reconstruction, growth of American industry, Foreign Policy in South America, and the Progressive Era. The final semester will include American involvement in World War I, post-World War I returns to isolationism, the "Roaring 20's", and the stock market crash/Depression Era, the New Deal and World War II, the Cold War, the Vietnam War and Presidential policies through the present.

GOVERNMENT (151110) **5 CREDIT HOURS PER SEMESTER**

MICHAEL PHELPS
SENIOR STATUS

The course begins with the study of the United States governmental system. This will include the study of the executive, legislative, and judicial branches of the federal government, the Constitution, Nebraska State government, and the political parties. The class will also emphasize the discussion of current events and contemporary issues of our nation and the world. A community service project or term paper will be required for completion of the course.

VOCATIONAL AGRICULTURE

Freshmen	Sophomores	Juniors	Seniors
* Intro. to Agriculture * Plant Science/Nursery Management	* Intro. to Agriculture * Plant Science/Nursery Management * Food Science * Animal Science	* Intro. to Agriculture * Plant Science/Nursery Management * Food Science * Animal Science * Natural Resources	* Plant Science/Nursery Management * Food Science * Animal Science * Natural Resources * Ag Leadership

MIDDLE SCHOOL AGRICULTURE, FOOD & NATURAL RESOURCES (011012)

JULIANA LOUDON

7TH – 8TH GRADE STATUS

The exploratory class provides basic information and understanding of agriculture products. Students will gain a basic understanding of commodities with the focus being on “Farm-to-Plate”. Agriculture Literacy and career exploration are also vital components to this course. Students will begin to learn the basics of parliamentary procedure and gain an understanding of the FFA organization.

INTRODUCTION TO AGRICULTURE, FOOD, AND NATURAL RESOURCES (011000)

JULIANA LOUDON

5 CREDIT HOURS PER SEMESTER

FRESHMAN – SENIOR STATUS

PREREQUISITE FOR ALL OTHER AGRICULTURE COURSES

The introductory course for Agriculture, Food, and Natural Resources Career Cluster provides a knowledge base in the major components of the industry. Learners will be exposed to a broad range of agriculture, food, and natural resources careers, cluster foundation knowledge and skills, and introduction to leadership development and the National FFA Organization (FFA). Classroom and laboratory activities are supplemented through supervised agricultural experiences, career exploration activities, and FFA leadership programs & activities.

FOOD SCIENCE & SAFETY (014000)

JULIANA LOUDON

5 CREDIT HOURS PER SEMESTER

SOPHOMORE - SENIOR STATUS

This course focuses on the importance of a safe, sanitary, and reliable food supply for human consumption, with a focus on food production and processing. Topics include an introduction to the food science industry and the identification of pathogenic foodborne illnesses and methods to prevent and control those illnesses. Students will explore food safety regulations and requirements in a variety of settings. Classroom and laboratory activities are supplemented through supervised agricultural experiences and FFA leadership programs & activities.

PLANT SCIENCE/NURSERY MANAGEMENT

JULIANA LOUDON

5 CREDIT HOURS PER SEMESTER

SOPHOMORE – SENIOR STATUS (FR. UPON APPROVAL)

PLANT SCIENCE 1ST SEMESTER (011007)

5 CREDIT HOURS PER SEMESTER

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

NURSERY MANAGEMENT 2ND SEMESTER (012001)

RECOMMENDED PREREQUISITE: PLANT SCIENCE

This course introduces students to the principles of design, methods of establishing and maintaining landscapes, and landscape business management procedures. Includes arranging plants, objects, and earth in the landscape; covers culture and maintenance of plants. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

NATURAL RESOURCES / NATURAL RESOURCES MANAGEMENT 5 CREDIT HOURS PER SEMESTER

**JULIANA LOUDON
SENIOR STATUS**

ENVIRONMENTAL NATURAL RESOURCES (013000)

A course that provides an opportunity for students to increase awareness of the close ties among living organisms as well as natural and environmental concerns with the interrelationships of living organisms and the world around us. Students are exposed to careers related to natural resources systems. Students also look closely at Nebraska's natural resources and management techniques. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

NATURAL RESOURCES MANAGEMENT (013002) NOT OFFERED DURING 2026-27 SCHOOL YEAR

A course that provides an opportunity for students to increase awareness of the close ties among living organisms as well as natural and environmental concerns with the interrelationships of living organisms and the world around us. Students will examine agencies that regulate our natural resources, explore the relationship between agriculture and natural resources, and develop an understanding of sustainability and the importance of conservation. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

ANIMAL SCIENCE (011004) 5 CREDIT HOURS PER SEMESTER

**JULIANA LOUDON
SOPHOMORE - SENIOR STATUS**

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 FFA leadership programs and activities. Recommended Level: Grades 10-12 Career Cluster: Agriculture, Food, and Natural Resources

AGRICULTURAL LEADERSHIP (017000) 5 CREDIT HOURS PER SEMESTER

**JULIANA LOUDON
SENIOR STATUS**

Instruction provided in a semester-long leadership, human resource development and related careers course includes leadership in a community, leadership concepts/applications, characteristics of an effective leader, characteristics of an effective manager and related practicum demonstrating contribution to society. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

NOT OFFERED DURING 2026-2027 SCHOOL YEAR

**AGRICULTURE ENTREPRENEURSHIP (012005)
5 CREDIT HOURS PER SEMESTER**

**JULIANA LOUDON
PREREQUISITE: INTRO. TO AFNR
SOPHOMORE - SENIOR STATUS**

This course covers skills necessary for students to analyze and establish entrepreneurial businesses. The course includes the study of personal and business financial planning, obtaining capital and credit, repaying loans, analyzing financial information, decision-making, developing business plans, and applying sales and marketing principles. Classroom and laboratory activities are supplemented through supervised agricultural experiences and FFA leadership programs & activities.

**CROP MANAGEMENT-AGRONOMY / BIOTECHNOLOGY
5 CREDIT HOURS PER SEMESTER
RECOMMENDED PREREQUISITE: PLANT SCIENCE**

**JULIANA LOUDON
SENIOR STATUS**

CROP MANAGEMENT-AGRONOMY (011008) (1ST SEMESTER)

This course investigates advanced crop production and management topics. Students develop an understanding of fertilization methods, resource management, pest management, technology use, marketing, and world hunger. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

BIOTECHNOLOGY (012004) (2ND SEMESTER)

This course focuses on students examining extensively the relationship between biotechnology and modern plant production systems. Students identify purposes and methods of genetic modification of plants and the impact of modern plant production on a global scale. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.