



# **Bloomfield High School**

**Course Description Book**

**2018-2019**

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## INTRODUCTION

The information in this handbook is for the purpose of providing an explanation of Bloomfield Jr./Sr. High School's program of studies and the requirements for graduation.

Educational planning is important because it prepares students for future career and/or college choices. The decisions made in high school can open and close doors of opportunity. Making wise decisions in high school will allow students greater flexibility in their future.

It is important for students to have a tentative four-year course of study. This will help ensure meeting class and credit requirements, as well as allowing for prerequisites to be taken in a sequential order. Course planning is a continual process and will likely be adjusted each year. Students should prepare and plan carefully with the help of their parents and counselor.

Each year, the Bloomfield High School curriculum is evaluated and modified based on input provided by faculty, students, and parents. New courses are introduced and other courses are deleted in an effort to provide the best educational experience possible.

Developing a schedule involves a series of steps designed to enable students and parents to make careful and thoughtful selections of the most appropriate courses. Course selection should be based on (a) a student's academic ability and performance, (b) previous subjects taken, and (c) teacher recommendations.

**Once courses have been selected, this is a commitment to remain in the chosen classes.** Schedule changes for academically displaced students will be made automatically. Every effort will be made to accommodate the selections indicated; however, the following factors may affect the student's final schedule:

1. An elective course offering requested by an insufficient number of students will be cancelled.
2. A course request that conflicts (for example, same period of the day) with another course request.
3. The prerequisite for the course has not been met.
4. Once the school year has begun, schedule adjustments can be initiated by the teacher or counselor if the student:
  - a. is academically misplaced
  - b. is duplicating a class
  - c. lacks a credit required for graduation

**\*\*Changes will not be made to accommodate personality conflicts or teaching styles.\*\***

## EDUCATIONAL AND CAREER CHOICES

Some students decide on a desired career at an early point in their education. Other students merely know they wish to pursue a certain level of education, taking advantage of career opportunities that arise through that course of study.

Matching knowledge of self and careers to educational requirements is extremely important. Decisions about preparation and skill level may affect future flexibility and career opportunities. Some of the levels of training and education that may be required for various jobs include, from the lowest level to the highest degree:

- high school diploma
- on-the-job training
- apprenticeship
- certification
- college diploma
- Associate's Degree
- Bachelor's Degree
- Master's Degree
- Doctorate/Doctoral degree

High school course selection is very important. Students will work toward one or more of three educational goals: earning a high school diploma (whether Standard or College Prep), attending a vocational school, or obtaining a college degree.

- High School Diploma Track--This goal is designed for students who do not plan to continue their education after high school. In addition to meeting BHS graduation requirements, students will choose elective courses that will be both interesting and beneficial to them following their graduation.
- Vocational School Track--This educational goal is designed for students working toward a certificate, diploma, and/or an associate's degree. These students are encouraged to take high school courses that are related to their planned program of study. These are in addition to meeting the BHS graduation requirements.
- College-Prep. Degree Track--This course of study is for students planning to enter a college or university to pursue a bachelor's degree. The basic entrance requirements for the University of Nebraska-Lincoln include:
  - **Language Arts** - 4 years of college preparatory English
  - **Mathematics** - 4 years of math, including Algebra I, Geometry, Algebra II, and Trigonometry
  - **Science** - 3 years of natural science
  - **Social Science** - 3 years of social science
  - **Foreign Language** - 2 years in the same language
  - **Other Requirements** - graduate in upper half of class, or score a minimum composite of 20 on the American College Test (ACT)

## **NCAA CLEARINGHOUSE COLLEGE ATHLETIC REQUIREMENTS**

This information has been taken from the National Collegiate Athletic Association (NCAA) Guide for the College-Bound Athlete, and is only a partial list of important information regarding course selection for those planning to participate in inter-collegiate athletics. Please consult an NCAA handbook or website for complete information.

### **Division I Academic Eligibility Requirements:**

- Graduate from high school
- Successfully complete a core curriculum of at least 13 academic courses, [This core curriculum includes at least four years in English, two in math (one year of algebra and one year of geometry, or one year of a higher-level math course, for which geometry is a prerequisite), two in social science, two in natural or physical science (including at least one laboratory course, if offered by your high school); one additional course in English, math, or natural or physical science; and two additional academic courses (which may be taken from the already-mentioned categories, e.g., foreign language, computer science, philosophy.)].
- Consult the NCAA handbook for the qualifier index scale.

### **Division II Academic Eligibility Requirements:**

- Graduate from high school
- Have a grade point average of 2.0 (based on a maximum of 4.0) in successfully completed core curriculum of at least 13 academic courses [This core curriculum includes three years in English, two in math, two in social science, two in natural or physical science (including at least one laboratory class, if offered by your high school); two additional courses in English, math, or natural or physical science; and two additional academic courses (which may be taken from the already-mentioned categories, e.g., foreign language, computer science, philosophy.)].
- Consult the NCAA handbook for the qualifier index scale.

## **BHS REGISTRATION HINTS**

1. Students need to register for a minimum of eight classes per semester.
2. Students will not be permitted to have more than PE category class per day.
3. Any required class failed will need to be repeated until credit is received.
4. More than ten absences in any course may result in loss of credit for that course.

## **OTHER COURSES**

1. Other courses (distance learning through NVIS, online APEX, ALEKS, UNLHS, Career Academy, Early Entry College Courses, etc.) are offered to students, but are subject to room availability and the schedule. Students' academic history, motivation and past behavior may determine whether opportunities are available to individual students or not. More information is available on pg. 22 of this booklet.
2. See the BCS counselor for information on available classes.
3. Many classes are offered through colleges and universities, and some are available for dual credit. This means students receive high school credit as well as college credit. College tuition is assessed for these classes. The tuition, and the cost of books and materials is the students' responsibility. Students on free and reduced lunch may qualify for free tuition through an ACE Scholarship program.
4. Students cannot take these classes when the same subject is offered as a regular class at Bloomfield High School, unless there is a scheduling conflict.
5. Multiple schools often vie for these classes. Due to this situation, students will not be permitted to drop a class once they have registered to take the class.

## GRADUATION REQUIREMENTS

In order to graduate from Bloomfield High School, students in grades 9-12 must complete 265 credits. A typical class earns 5 credits per semester for meeting five days a week. Classes meeting five days a week for two semesters earn 10 credits.

### BHS Standard Diploma Requirements:

<u>Subject Area</u>	<u>Credits</u>	<u>Credits - Required Classes</u>
Communication Arts	40	10 – English 9 10 – English 10/Literature 10 – English 11/Literature 10 – English 12/Literature
Mathematics	30	10 – Applied Math I/Algebra I 10 – Applied Math II/ Geometry 10 – Applied Math III/ Algebra II
Science	30	10 – Physical Science 9 10 – Biology 10 – Environ. Sci./Chemistry
Social Science	40	10 – World Geography 9 10 – American History 10 10 – Civics/Historical Reading 11 10 – Economics 12
Business Education	10	10 – Business, Computer, Ag. Business
Practical Arts	10	10 – Yearbook, Family Consumer Science or Ag. Classes.
Fine Arts	10	10 – Band, Chorus, Art, Creative Writing
Physical Education	10	10 – Strength Training/ Team Sports/Health & Wellness
Electives	85	From course offerings that are not required courses.

In order to encourage students capable of demanding academic preparation to pursue these courses, at their August 2012 meeting the BCS Board of Education implemented an alternate set of graduation requirements. These requirements reflect the admission requirements of the University of Nebraska-Lincoln. Students meeting the requirements for the College Prep Diploma will be publicly recognized for their achievements at the graduation ceremony.

### College Preparatory Diploma Requirements:

**Language Arts**—English 9, English 10, English 11, and English Literature 12

**Social Science**—World Geography, American History, Civics and Economics

**Science**—Physical Science, Biology, Chemistry and 10 credits in either, Physics or Anatomy & Physiology

**Mathematics**—Algebra I, Geometry, Algebra II, and Trigonometry

**Foreign Language**—Spanish I and Spanish II

**Electives**—85 credits including 20 credits in either Calculus, Intro. to Statistics, Accounting, a 4<sup>th</sup> advanced science as listed above, Spanish III or Psychology

## **COMMUNICATION ARTS**

**40 Credits Required**

### **English I**

**Credit: 5 Semester/10 Year**

Grade Level(s): **9**

This course emphasizes reading, writing, and grammar skills. Literature units, a research paper, and various compositions will be completed. Reading strategies and vocabulary enrichment are included in the literature studies. AR is required.

### **English II**

**Credit: 5 Semester/10 Year**

Grade Level(s): **9 & 10**

This course will focus on Speech first semester and English second semester. Speech offers an introduction to public speaking. Students will gain skills developing and organizing topics as well as experience speaking in front of an audience. During the English semester, students will review grammar and writing skills. Various literary forms will be examined. A theme analysis paper will be written. AR is required.

### **English III**

**Credit: 5 Semester/10 Year**

Grade Level(s): **11 & 12**

This course will focus on grammar review, which emphasizes good sentence structure, logical, organized paragraphs and overcoming common usage mistakes. Students will read various types of literature both fiction and nonfiction. An MLA literary analysis paper and an APA research paper will be completed. Grammar and writing skills will be reviewed. Resume writing, job seeking skills, and interviewing techniques will be introduced. AR is required.

### **American Literature** (*alternate years*)

**Credit: 5 Semester/10 Year**

Grade Level(s): **11-12**

This course is designed for students who are planning a post secondary education. The main focus will be on the various forms of American literature beginning with the early settlers to modern literature in both written and film form. Various writing styles will be taught from textual explications to creative writing to literary analysis papers. An MLA literary analysis paper and an APA research paper will be completed. Grammar and writing skills will be reviewed. Vocabulary will be incorporated in the literature units. AR is required.

### **British Literature** (*alternate years*)

**Credit: 5 Semester/10 Year**

Grade Level(s): **11-12**

This course is set up for students who are planning a post secondary education. The main focus will be on the various forms of British literature covering ancient literature to modern literature in both written and film form. The history and evolution of the English language is introduced. Writings range from textual explications to creative writing to literary analysis papers. Outside reading is required through Independent Reading Projects. Students will read books of his or her choice and select from a variety of presentation methods.

**World Literature****Credit: 5 Semester/10 Year**Grade Level(s): **10-12**

This course is set up for students who are planning a post secondary education. The main focus will be on the various forms of World literature covering ancient literature to modern literature in both written and film form. The history and evolution of the English language is introduced. Writings range from textual explications to creative writing to literary analysis papers. Outside reading is required through Independent Reading Projects. Students will read books of his or her choice and select from a variety of presentation methods.

**English IV****Credit: 5 Semester/10 Year**Grade Level(s): **11 & 12**

This course covers a variety of English skills necessary to succeed in both college and life. Students will practice and polish various reasoning and writing skills involving both research and the communication of personal ideas. Emphasis will be on clear communications and logic as well as writing mechanics. An MLA literary analysis paper and an APA research paper will be completed. Students will read various types of literature with the goal of gaining an appreciation and understanding of how literature relates to life. AR is required.

**SOCIAL SCIENCES****40 Credits Required****World Geography****Credit: 5 Semester/10 Year**Grade: **9 & 10**

In this required course, students analyze the relationships between people, places, and environments. Students use problem-solving and decision-making skills to ask and answer geographic questions as well as to determine the geographic factors that have influenced past and present events. A significant portion of the course will center around physical processes, places, and regions, the environment, the political, economic and social processes that shape cultural patterns, human systems such as population distribution and urbanization patterns, and the economic conditions which have led to and reinforced the developed and developing world.

**American History****Credit: 5 Semester/10 Year**Grade: **9 & 10**

This course is a required one-year study of the United States from 1877 to the present. The time span of the course is divided into small units such as the Progressives, World Wars, Civil Rights, and the Cold War. Within each unit events are looked at from several perspectives such as geographic, political, economic, social, and international influence. Emphasis is placed on relating the effects of past events to the present. The course is enriched with various activities which help students learn social studies skills as well as historical content. These include web lessons, decision-making, role- playing, and authentic assessment.

**Civics****Credit: 5 Semester/10 Year**Grade: **11 & 12**

The primary objective of this required course is to prepare the student for decision-making within the framework of the American political system. The course begins with an overview of basic concepts found in all political systems, the philosophical background which led to our constitutional development, and the basic concepts found in the Constitution. The executive, legislative, and judicial branches of the federal government, including current issues of interest such as foreign affairs, will be studied. In addition, students study the fields of civil rights and liberties, political parties and suffrage, and state and local government.

**Economics****Credit: 5 Semester/10 Year**Grade: **11 & 12**

This required course deals with the way that individuals and societies, particularly our society, have chosen to use scarce resources for the production of alternative goods. Students will learn how these scarce resources are distributed among the various peoples and groups in society. The course emphasizes the economic principles upon which the free enterprise system is based. Students will study the role government plays in this system and compare the American economic system to other types of economic systems. Students will also receive practical information in the field of personal finance.

**Historical Fiction****Credit: 5 Semester/10 Year**Grade: **11 & 12**

In this class, students will read and discuss primary documents specializing in American Government and Historical. Primary sources will range from Code of Hammarabi, Declaration of Independence, Marshall Plan, NAFTA as well as current documents.

**SCIENCE****30 Credits Required****Anatomy and Physiology****Credit: 5 Semester/10 Year**Grade Level(s): **12**

**Prerequisite: Algebra II or Algebra II taking concurrently & Chemistry.** This course will concentrate focus on the systems of the human body with main focus on Senses, Digestion, Cardiac, Skeletal, Muscular and Reproduction. An eye, kidney, lung, stomach tissue, bone, heart, liver, shark, pig, and cat will be dissected throughout the year as well as other labs being completed. Trips to Vermillion, South Dakota to see a cadaver as well as other trips to medical centers or Funeral homes are a possibility. Guest speakers for organ donation, blood donation, and Medical Professionals will be presenting during classes at different times throughout the year. Main objective is to provide a background of Anatomical and Physiological information for students entering into the medical field.

**Physical Science****Credit:** 5 Semester/10 YearGrade: **9 & 10**

Physical Science is a course designed to assist students in decision-making and problem solving skills through the use of chemical and physical scientific principles and processes. Main concentration areas will be applied forces dealing with Newton's Laws of Motion and Study of the Periodic Table. Emphasis on chemical bonds and balancing chemical equations.

**Biology****Credit:** 5 Semester/10 YearGrade: **9 & 10**

This course develops the basic principles and vocabulary that are necessary in order to understand the structure and function of life, behavior relationships to the environment and evolutionary history. In addition, some anatomy and human physiology topics are researched and discussed.

**Environmental Science****Credit:** 5 Semester/10 YearGrade Level(s): **9 - 12**

Students will study the environment through hands-on activities and exploration with an emphasis on organisms in their natural environment.

**Chemistry****Credit:** 5 Semester/10 YearGrade Level(s): **10 - 12**

**Prerequisites: Algebra II or concurrently enrolled in Algebra II.** This course provides students with the opportunity to learn core chemistry concepts, to expand higher order thinking skills, to solve problems and to experience lab experiments and projects. Core concepts explored include: structures/properties of matter, the periodic table, atomic structure/compound formation/bonding, gas laws, stoichiometric calculations, acids/bases/pH, oxidation –reduction reactions, energy and chemical reactions and organic chemistry.

**Physics****Credit:** 5 Semester/10 YearGrade Level(s): **11 & 12**

**Prerequisites: Trigonometry and concurrently enrolled in Trigonometry. Calculus class is also beneficial.** This course provides students with the opportunity to use higher order thinking skills, to systematically and creatively problem solve and to experience experimentation/ projects. Core areas of exploration include: mechanics, heat, sound, light, electricity and atomic energy. Traditional, Einsteinian and quantum physics are researched.

**Applied Math I****Credit:** 5 Semester/10 YearGrade Level(s): **9 - 12**

This course consists of Basic Algebra concepts and skills. We learn how to solve and graph linear equations and inequalities. Systems of equations are solved by graphing substitution methods and linear combinations. We work with exponents, exponential functions and quadratic equations. We work with factoring and simplifying polynomials. Proportion, direct and inverse variation, and rational expressions are also included. An introduction to Geometry is made through using radicals, distance formula, Pythagorean Theorem, Midpoint formula, and logical reasoning or proofs.

**Applied Math II****Credit:** 5 Semester/10 YearGrade Level(s): **9 - 12**

**Prerequisite: Basic Algebra.** This course covers Basic Geometry. A review of basic operations, probability, ratio, percent, statistics, positive and negative numbers, simplifying expressions, graphing on a coordinate plane, right angle relations, trigonometry, volumes, areas, and surface areas are included. Geometric proofs using parallel lines and triangle relationships are discussed. Algebra I is reviewed for 9 weeks also.

**Applied Math III****Credit:** 5 Semester/10 YearGrade Level(s): **9 - 12**

A course designed to help students meet the math standards as set forth by the Nebraska State Board of Education. Topics in the course will include Algebra as it pertains to equations, inequalities, solving systems of equations using various methods including matrices, graphing, determining slope of a line and equations for lines. Other topics will be right triangle geometry, regression analysis, standard deviation – normal distribution, changing from metric to metric to standard, patterns and data inferences.

**Algebra I****Credit:** 5 Semester/10 YearGrade Level(s): **8 - 12**

Algebra I covers the following: naming numbers, variables, sentences, functions, addition of numbers, multiplication of real numbers, solving simple equations, solving inequalities, ordered pairs, graphing open sentences, products and factoring polynomials, division of polynomials, simplifying of radical, rational expression, solving quadratic equations, sine cosine, and tangent. \*\*

**Algebra II****Credit:** 5 Semester/10 YearGrade Level(s): **9 - 12**

**Prerequisite: Algebra I.** This is a comprehensive second course in algebra. Units of study in equations, inequalities, functions, polynomial expression, complex, rational, irrational numbers, conical section equations, exponents, and logarithms, sequences involving summation, etc. probability and statistics.\*\*

**Business Math****Credit:** 5 Semester/10 YearGrade Level(s): **12**

The study of business mathematics is a practical approach to learning mathematics. Basic skills that will be useful throughout life will be taught. Solving mathematical problems, analyzing and interpreting data, and applying sound decision-making skills will be strengthened. Students will develop the computation skills needed to solve business and consumer-related problems with emphasis on estimating answers, using valuable shortcuts, speed, and accuracy. The curriculum covers check and bank records including online banking, calculating pay, taxes, budgets, borrowing money, credit cards, saving, investing, and insurance.

**Geometry:****Credit:** 5 Semester/10 YearGrade Level(s): **9 - 12**

**Prerequisite: Algebra I.** Units of study include basic properties of plane geometry, involving angles, lines, planes, polygons, and etc. The class also includes finding areas, volumes, measure angles, arcs, line segments, and etc. First semester is more proof-oriented than the second semester. Some trigonometry is taught along with coordinate geometry. \*\*

**College Algebra (Trigonometry 1st Semester):****Credit:** 5 Semester/1<sup>st</sup> SemesterGrade Level(s): **11 & 12**

**Prerequisite: Algebra II.** This class is the study of relations, functions and their graphs, equations and inequalities, polynomial and rational functions, exponential and logarithmic functions, systems of equations and inequalities. **[Note: Mr. Eisenhauer can teach this class for dual credit for Northeast Community College as MATH 1150. See him or the guidance counselor to register for these credits at the beginning of the year. An ACT math score of 21 or higher is required.]**

**Intro. to Statistics:****Credit:** 5 Semester/10 YearGrade Level(s): **11 & 12**

**Prerequisite: Algebra II & Geometry.** This class is the study of algebraic sets, finite probability spaces, counting techniques, random variables, and binomial distribution. **[Note: Mr. Eisenhauer can teach this class for dual credit for Northeast Community College as MATH 2030/BSAD 2030. See him or the guidance counselor to register for these credits at the beginning of the year. An ACT math score of 21 or higher is required.]**

**Trigonometry:****Credit:** 5 Semester/ 2<sup>nd</sup> SemesterGrade Level(s): **11 & 12**

**Prerequisite: Algebra II & Geometry.** This class is the study of circular and trigonometric functions, trigonometric identities, trigonometric equations, solutions of triangles, inverse trigonometric functions, graphs, and complex numbers. The University of Nebraska does require four years of Math for admissions. **[Note: Mr. Eisenhauer can teach this class to students for dual credit for Northeast Comm. College as MATH 1220. An ACT Math score of 21 or higher is required. See him or the guidance counselor to register for these credits at the beginning of the year.]**

**Calculus:**  
Grade: **12**

**Credit:** 5 Semester/ 10 Year

**Prerequisite: Trigonometry.** Advanced Mathematical concepts encompass and extend topics and concepts of intermediate algebra, statistics and probability. Various topics of college algebra are introduced and explored. Also presented is an introduction to limits, derivatives, and integrals to help prepare students for a rigorous course in calculus.

Graphing calculators and computers will be used for demonstration, student analysis, and practical applications. **[Note: Mr. Eisenhauer can teach this class to students (An ACT Math score of 23 or higher is required.) for dual credit for Northeast Community College as MATH 2000. See him or the guidance counselor to register for these credits at the beginning of the year.]**

**\*\* APEX/ALEKS is offered in the summer for anyone interested in advancing in Algebra I, Algebra II, or Geometry independently. This requires teacher recommendations and passing a proficiency test to ensure readiness for this rigor.**

**FINE ARTS:**

**10 Credits Required**

**Art I**

**Credit:** 5 Semester/10 Year

Grade Level(s): **9-12**

**Fee: There is a \$5 per semester fee for art student supplies.**

**Prerequisites: None.** This course introduces numerous media processes and techniques in art. The Student is Involved in creative projects dealing in both 2-D and 3-D skills. Content:

- Drawing and sketching basics.
- Usage of art elements and principles
- Painting – watercolor, tempera, acrylics
- Printmaking – linoleum, monoprints & editions
- Pottery – thrown, hand-built projects
- Sculpture – plaster, wire, papier-mâché, clay
- Writing/Computer Technology
- Art History – artists, time periods, movements
- Sketchbook

**Art II/III**

**Credit:** 5 Semester/10 Year

Grade Level(s): **10-12**

**Fee: There is a \$5 per semester fee for art student supplies.**

**Prerequisites: Art I.** The purpose of this course is to allow the student to develop technique, refine skills, and experiment in new and more advanced art media types. Content:

- Review of the elements and principals
- Drawing – pencil, ink, charcoal, colored pencils, chalk, and oil pastels
- Design
- Pottery – thrown, hand-built projects
- Sculpture – clay, plaster, wire
- Printmaking – linoleum, plexiglass
- Writing/Computer Technology
- Art History – artists, time periods, movements
- Sketchbook

**Independent Art****Credit:** 5 Semester/10 YearGrade Level(s): **11-12****Fee:** There is a \$5 per semester fee for art student supplies.**Prerequisites:** Art I, II, and III. The purpose of this course is to allow for artistic individual study in developing a student's own skills and yet at the same time have guided instruction.**Chorus/Swing Choir****Credit:** 5 Semester/10 YearGrade Level(s): **9-12**

Mixed Chorus is a performance oriented vocal ensemble, which operates throughout the entire year. Fundamentals of posture, breathing, diction, enunciation, pronunciations, phrasing, and expression are taught as an integral part of every rehearsal. Swing choir is an auditioned group that takes place during regular classroom times. Students are required to participate in a minimum of 4 concerts that take place outside school hours; one per quarter.

**Concert/Jazz Band****Credit:** 5 Semester/10 YearGrade Level(s): **9-12**

A performance oriented ensemble comprised of woodwind, brass and percussion instruments. Balance, blend, phrasing, intonation, and expression are taught as integral part of every rehearsal. Solo and ensemble participation is encouraged for District Music Contest. Students are required to participate in a minimum of 4 concerts that take place outside school hours; one per quarter.

**PRACTICAL ARTS****10 Credits Required****Applied Communications****Credit:** 5 Semester/10 YearGrade Level(s): **10-12**

A course designed to assist students in developing and refining job-related communication skills; reading, writing/composition, listening, speaking, problem-solving, thinking, visual and nonverbal skills, all interwoven in a manner that prepares students for the world of work outside the classroom. The course is designed to integrate the study of literature with skills needed in the workplace.

**Yearbook****Credit:** 5 Semester/10 YearGrade Level(s): **10-12**

**Prerequisites:** Instructor Approval. This class creates the school yearbook by developing journalistic skills such as interviewing, copywriting, page layout, and photography. Additional responsibilities outside the normal school day are required. Students must be above average in English and writing skills.

**Family & Consumer Sciences:**

**Introduction to FCS**

**Credit:** 5 Semester/10 Year

Grade Level(s): **9-12**

This course is intended to enable students to have a broad scope of experiences that will provide an overview and fundamental knowledge and essential skills of Human Sciences with a foundation but not limited to family and consumer sciences. Students will explore career possibilities and develop a personal learning plan. Students will practice basic life skills, career readiness skill, sewing, housing/interior design foods/nutrition and learn to apply them to personal life situations. All areas of FCS will be touched upon.

**iLife (Relationships)**

**Credit:** 5 Semester

Grade Level(s): **9-12**

This course includes the study of interpersonal relationships and the effect of these relationships on the well-being of individuals, families, work and society. 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.

**Culinary I**

**Credit:** 5 Semester

Grade Level(s): **11-12**

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.

**Culinary II**

**Credit:** 5 Semester

Grade Level(s): **11-12**

**Prerequisite: Culinary I.** 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.

**Child Development**

**Credit:** 5 Semester

Grade Level(s): **9-12**

This course integrates knowledge, skills and practices necessary for nurturing the growth and development of children. The study of the biological, psychological and social development of young children will be studied in addition to the parenting and child care/education practices that maximize human growth and development.

**Human Development****Credit: 5 Semester**Grade Level(s): **9-12**

Learn what it takes to create a positive environment for children through the study of human development (physical, mental, emotional and social) from infant through adolescence or the entire life span. Explore the impact of childcare and parenting on the first years of development through interaction with babies, toddlers, preschoolers, guest speakers and possible field trips. This course is a good choice for anyone interested in a professional or technical career, or for personal growth and practical experience. This course will help prepare for careers in education, coaching, medicine, child care, and counseling as well as future parenting.

**Foods/Nutrition****Credit: 5 Semester**Grade Level(s): **9-12**

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 and foods science, students will learn basic preparation skills, the reason behind the reactions of foods and short-term and long-term wellness consequences as a result of nutritional intake, and exposure to careers related to the food industry.

**Advanced Foods/Nutrition****Credit: 5 Semester**Grade levels(s): **9-12**

This course is designed to provide students with the advanced knowledge needed to successfully cook in the hoer for individuals and families. With an advanced foundation of nutrition and food science, students will further their basic preparation skills. Students will apply the reactions of foods in the short-term and long-term consequences of nutritional intake to the food they prepare.

**Introduction to Teaching****Credit: 5 Semester**Grade Level(s): **9-12**

This course is designed to help students explore professional or learning support positions in education and training. The course will provide an overview of ethics and professionalism, pre-service preparation, societal influences, classroom practices, and the governance structure. Field experience will be required.

Students will study curriculum for various levels, students as learners, educational goals and assessment, social and cultural context and pedagogy. These opportunities should help you confirm or rethink your decision to pursue a career in teaching. Should you decide to continue your studies in education, this course will lay a foundation for your remaining coursework and field experiences and inspire the dispositions and habits necessary for the profession.

**Introduction to Health Science****Credit: 5 Semester**Grade Level(s): **9-12**

Introduction to Health Science is designed to give an overview of the therapeutic, diagnostic, support services, biotechnology & research and health informatics pathways. The course focuses on health careers, exploration, leadership development, medical terminology, ethical and legal responsibilities, the history of health care and the economics of health care.

This course could be offered with the alternate semester or year being Medical Terminology.

**Medical & Sports Terminology****Credit: 5 Semester**Grade Level(s): **9-12**

This course is designed to help students learn medical language by analyzing their components. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions and sports.

This course could be offered with the alternate semester being Intro. to Health Sciences.

**Interior Design****Credit: 5 Semester**Grade Level(s): **9-12**

This course is an introduction to the field of interior design. Topics of functional and aesthetic elements for residential interiors are covered. Emphasis is placed on: principles and elements of design and the selection and organization of furnishings, floor and wall coverings, window treatments, lighting, and accessories.

**Housing Design****Credit: 5 Semester**Grade Level(s): **9-12**

Students will understand their housing needs and learn to make decisions about their future homes. Students will study needs, selection, & influences on housing, types and architectural styles of housing, scale-drawn floor plans, considerations for storage, bathrooms, kitchens, principles and elements of design. Students also create a project using Homestyler to create a floor plan, and furnish it; including landscaping.

**Agriculture Education:****Introduction to Agriculture****Credit: 5 Semester/10 Year**Grade Level(s): **9-10**

**(Foundation course - required for FFA membership)** This is a core course for the Agriculture, Food and Natural Resources Career Cluster, which will build a knowledge base and technical skills in all aspects of the industry. Learners will be exposed to a broad range of agricultural careers, products, resources, and leadership skills including animal science, plant science, leadership, public speaking, parliamentary procedure, range management, dairy cattle and livestock selection, food science, and record keeping. It is intended to combine classroom instruction, supervised agricultural experience, and activities in the FFA organization to prepare students for careers.

**Animal Science / Plant Science****Credit:** 5 Semester/10 YearGrade Level(s): **10-12**

**Prerequisites: none.** First Semester – Animal Science. This course focuses on the basic scientific principles and processes that are involved in the livestock industry. The course includes lessons about animal classification, animal physiology, breeding and reproduction, nutrition and health, livestock trait selection and genetics, general animal care, and careers in livestock production.

Second Semester – Plant Science. This course focuses on knowledge, information, and skills related to the science of plant production and agronomy. Learners will be exposed to skills for careers in horticulture, agricultural production and management, and science. Topics include taxonomy and crop identification, growth and reproduction, biotechnology and research, nutrition and chemical use, pest control, and soil conservation.

**Agribusiness****Credit:** 5 SemesterGrade Level(s): **10-12**

**Prerequisite: none.** This course emphasizes skills and knowledge necessary for entry into employment or furthering education in an agricultural business. The course includes the study of business organizations, financial aspects, agricultural economics, emerging technologies, marketing, selling, management and entrepreneurship concepts and skills.

**Natural Resources****Credit:** 5 SemesterGrade Level(s): **10-12**

**Prerequisite: none.** This course provides students with an 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. Learners will be exposed to the topics of management, pollution, and conservation of air, water, soil, fuels, and forests.

**Wildlife Management****Credit:** 5 SemesterGrade Level(s): **11-12**

**Prerequisites: Animal Science.** This course emphasizes how humans and animals may both take advantage of the same land without depleting natural resources or plant and animal populations. Learners will be exposed to careers in wildlife management, principles of zoology, principles of ecology, the history of wildlife management in America, requirements of wildlife habitats, wildlife population control, endangered and threatened species of wildlife, conservation of natural resources, and outdoor recreational management.

**Introduction to Veterinary Science****Credit:** 5 SemesterGrade Level(s): **11-12**

**Prerequisites: Animal Science.** This course introduces students to the basics of veterinary science. Topics covered include careers in veterinary science, safety and sanitation, veterinary terminology, animal rights and welfare, principles of disease, disease classification, disease prevention, clinical exams, cell biology, nutrition and health, and reproductive health.

**Landscaping****Credit:** 5 SemesterGrade Level(s): **11-12**

**Prerequisite: Plant Science.** This course is designed to provide students with a basic understanding of landscape design and drawing skills, landscape plant use and function, landscape plant identification, and customer service skills. Students will gain experience through a hands-on landscape project.

**Woods I****Credit:** 5 Semester/10 YearGrade Level(s): **9-12**

**Prerequisites: None.** This class is designed to provide knowledge of safety procedures, proper tool usage, lumber selection, project design and planning, and basic woodworking techniques. Students will practice and enhance skills by building an assigned project and will have to provide the materials for the project.

**Woods II, III, IV****Credit:** 5 Semester/10 YearGrade Level(s): **10-12**

**Prerequisites: Woods I.** This class is designed to enhance knowledge of safety procedures, proper tool usage, lumber selection, project design and planning, and advanced woodworking techniques. Students will build a personal project of choice and will have to provide the materials for the project.

**Metals I****Credit:** 5 Semester/10 YearGrade Level(s): **9-12**

**Prerequisites: None.** This class is designed to provide knowledge of safety procedures, proper welder usage, project design and planning, and basic welding techniques for shielded metal arc welding, oxy-acetylene welding, and metal inert gas welding. Students will also be required to learn how to cut metal using a cutting torch and the plasma cutter. Students will practice and enhance skills by completing all welding modules.

**Metals II, III, IV****Credit:** 5 Semester/10 YearGrade Level(s): **10-12**

**Prerequisites: Metals I.** This class is designed to enhance knowledge of safety procedures, proper welder usage, project design and planning, and advanced welding techniques for shielded metal arc welding, oxy-acetylene welding, and metal inert gas welding. Students will also be required to learn how to cut metal using a cutting torch and the plasma cutter. Students will practice advanced skills by completing all welding modules. When skills are mastered, students will build a personal project of choice and will have to provide the materials for the project.

**Construction I, II****Credit:** 5 Semester/10 YearGrade Level(s): **11-12**

**Prerequisite: Woods I.** This class is designed to enhance knowledge of safety procedures, proper tool usage, project design and planning, and building materials and their applications including structural, roof, and stair framing, interior and exterior finishing, insulation installation, electrical wiring, plumbing, and building layout. Students will practice and enhance skills by completing all skills modules, followed by building a class project.

## **BUSINESS EDUCATION**

## **10 Credits Required for Graduation**

### **Accounting**

**Credit:** 5 Semester/10 Year

Grade Level(s): **11 & 12**

This two-semester course covers sole proprietorship 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, accounting systems and controls. Students are exposed to careers in the accounting field and are given the opportunity to perform accounting applications using the computer. An introduction to partnerships and corporations may be included.

### **Advanced Accounting-2 semesters**

**Credit:** 5 Semester/10 Year

Grade Level(s): **11 & 12**

**Prerequisite: Accounting.** This is a two-semester course that includes partnership and corporate accounting, adjustment in inventory control systems, budgetary control systems and further enhancement of accounting skills.

### **Entrepreneurship**

**Credit:** 5 Semester

Grade Level(s): **9-12**

Entrepreneurship is a course designed for students with a career interest in entrepreneurship. Emphasis is placed 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.

Instructional strategies may include the development of a business plan, operation of school-based business, or actual creation of a student-run business. (Buzzing Bees Metal Designs)

### **Marketing**

**Credit:** 5 Semester

Grade Level(s): **9-12**

Students will explore the basic functions of marketing: pricing, promotion, product planning, and place/distribution: the marketing mix. The curriculum provides the foundational skills and knowledge in economics, communications skills/interpersonal skills, professional career development, business, management, and entrepreneurship. Application of academic concepts and technology are integrated throughout the curriculum. (Buzzing Bees Metal Designs)

**Digital Media****Credit: 5 Semester**Grade Level(s): **9 & 10**

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.

**Intro to Digital Design****Credit: 5 Semester**Grade Level(s): **9 - 12**

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.

**Information Technology I****Credit: 5 Semester**Grade Level(s): **9-12**

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.

**Information Technology II****Credit: 5 Semester**Grade Level(s): **9- 12**

**Prerequisite: Information Technology I.** This course will focus on skill development in advanced spreadsheet, database, integration of applications utilizing advanced features, and exploring web technologies. Skills, standards, and coursework align with industry certifications. Prerequisite-Information Technology I.

**Personal Finance****Credit: 5 Semester**Grade Level(s): **9-12**

The goal of personal finance is to help students become financially responsible, conscientious members of society. This course develops student understanding and skills in money management; budgeting; financial goal attainment; use of credit; insurance; investments; and consumer rights and responsibilities. Application of academic concepts, technology, and career planning are integrated throughout the curriculum.

**Intro. to Business, Marketing & Management****Credit: 5 Semester**Grade Level(s): **9-12**

This course is designed as an introductory overview of the Business, Marketing and Management Career Field. Units of study include economic systems, forms of business ownership, management, marketing, and accounting. Career opportunities will also be explored.

## **Other Courses Depending On Interest:**

### **Management & Leadership**

**Credit:** 5 Semester

Grade Level(s): **9-12**

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 skills in the areas of emotional intelligence: time management, stress management, professional growth and development, communication, and relationship skills.

### **Web Design**

**Credit:** 5 Semester

**Prerequisite:** Info Tech I&II or Intro to Digital Design & Digital Media Students will demonstrate knowledge of web design and languages, including HyperText Markup Language (HTML) and Cascading Style Sheets (CSS) to create a content rich and visually pleasing website that captures and keeps visitors' interests. Focus will be given to effective page layout, image creation and manipulation, interactivity, content creation, and project management. This course may be available for dual credit at a postsecondary institution.

## **PHYSICAL EDUCATION:**

**10 Credits Required for Graduation**

### **Strength Training**

**Credit:** 5 Semester/10 Year

Grade Level(s): **9-12**

This course is an introduction to weight training. Students learn (1) Correct Lifting and spotting techniques for core lifts. (2) Flexibility, agility and quickness exercises. (3) Circuit training, strength and agility gains are emphasized as well as flexibility maintenance. Nutrition and supplements are discussed.

### **Team Sports**

**Credit:** 5 Semester/10 Year

Grade Level(s): **9-12**

This will be a competitive team oriented class with points given for participation to the team, written tests, and research papers. Games will be played in a competitive manner and scores accumulated for grades. Possible sports played include: basketball, volleyball, pickle ball, badminton, hockey, kickball, rag ball, lacrosse, cricket, handball, and others.

### **Health and Wellness (1 Semester)**

**Credit:** 5 Semester

Grade Level(s): **9-12**

Throughout this course students will be able to develop a personal health plan for life long learning. Areas of emphasis will include nutrition, exercise and making good choices in relationship to smoking, drinking, drug use, personal hygiene and first aid. Students will utilize the computer to find resources to support or conflict their beliefs. This will be a fun interactive class with possible speakers throughout the semester. This course will meet five of the 10 required PE credits but can only be taken once.

## **FOREIGN LANGUAGE**

### **Spanish I**

**Credit:** 5 Semester/10 Year

Grade Level(s): **9-12**

This course introduces students to the fourth most-widely spoken language in the world: Spanish. The initial goal is to acquire enough vocabulary so as to begin speaking and reading practices as soon as possible. Otherwise, students use reading, writing and speaking throughout the course to build their vocabulary and their knowledge of the Hispanic cultures. The units in the textbook, *Avancemos 1*, are set in: The United States, Mexico, Puerto Rico, Spain, Ecuador and the Dominican Republic. Grammar topics include: gustar with indirect object pronouns, ser and estar, tener and tener expressions, ir, -ar, -er and -ir verbs; possessive adjectives, stem-changing verbs, and introductions to preterite and reflexive verbs. Vocabulary categories include: food and drinks, family members, places, clothing, colors, pastimes, numbers, sports and anatomy.

### **Spanish II**

**Credit:** 5 Semester/10 Year

Grade Level(s): **10-12**

**Prerequisite: Spanish I:** This course is a continuation of Spanish I, again emphasizing speaking, reading and writing skills. Students also work to build up their listening and dictation skills. The units in the textbook, *Avancemos 2*, are set in: Miami's Cuban District, Costa Rica, Argentina, with reviews on Puerto Rico and Mexico. After studying about Costa Rica, students will study Ch. 10 in *Voces y vistas*, another Spanish textbook. Those in Spanish II will also study a series of cultural lessons on different Hispanic musics. Grammar topics include: direct object pronouns, regular and irregular preterite, demonstratives, reflexive verbs and imperfect tense. Vocabulary categories include: places, traveling, sports and health, daily routines, clothes and shopping, building materials, legends and stories, animals, scenery and cowboy/rodeo words.

### **Spanish III**

**Credit:** 5 Semester/10 Year

Grade Level(s): **11-12**

**Prerequisite: Spanish II:** In this course, students work to acquire more vocabulary while making their speaking, listening and writing practices more and more cumulative. Spanish III is for building fluency and increasing students' confidence with speaking and 'claiming' the Spanish language. There are parts of the curriculum that are adjusted, based on the class size and students' interests. But over all, cultural lessons are on Spain and the Americas. Students will work out of the second and third books of the *Avancemos* series. Grammar topics include: formal and informal commands, affirmative and negative words, present subjunctive in multiple situations, impersonal expressions, and future and imperfect tenses. Vocabulary categories include: restaurant foods, movies, extended family, the environment, social awareness and careers.

### **Spanish IV**

**Credit:** 5 Semester/10 Year

Grade Level(s): **12**

**Prerequisite: Spanish III.** This course will continue developing listening, speaking, reading and writing skills. Emphasis will be on developing conversation. Students will work out of

the third and fourth books of the Avancemos series. Cultural lessons are set in: the Andean countries, the Caribbean, Spain and the Southern Cone. Grammar topics will include: conditional tense, past participles, present and past perfect tense, imperfect subjunctive, and the impersonal “se”. Vocabulary categories include: travel preparations, technology, in the city, planning for the future, and analyzing literature (poems, novels and plays).

Additional foreign language may be available via distance learning but students must complete Spanish I and II in order to be eligible to take another language.

### **Want to see what other courses might be available?**

Nebraska Educational Service Units have collaborated to make course offerings available to students throughout the state via distance learning. Go to <http://nvis.esucc.org/default.aspx> to see if anything peaks your interest. If it does, you need to make an application to be considered to take the course(s). You can complete the application at <http://tinyurl.com/BHSNVISap> . See Mrs. Jones if you need assistance with the application or have any other questions. Other courses can also be found at University of Nebraska High School. These can be taken for college credit and are each individual’s financial responsibility. See Mrs. Jones for more information.