

## High School Curriculum Handbook

This registration booklet has been prepared to provide you with direction as you plan your Blue Hill High School education program. Students and parents should become familiar with the information contained in this booklet and design a course of study which is consistent with post-graduate plans.

Blue Hill High School provides the opportunity for a well-rounded program of studies which will help you fulfill your role as an informed, responsible citizen. Of utmost importance to your success is your willingness to plan your course of study. The benefits you will receive from school will increase if you plan your course of study carefully. Each student and his/her parents must take an active role in the planning process.

It is essential that each student be aware of the graduation requirements. It is also essential that all elective classes be chosen with a specific goal in mind. This booklet is designed to assist in planning.

Your high school years can serve as a doorway to better employment opportunities and a greater enjoyment of life. The faculty of Blue Hill High School is committed to helping you plan toward the fulfillment of your individual goals.

**Update 3/07**

## Table of Contents

Guidance . . . . .	3
Pre-Registration Information . . . . .	4
Graduation Requirements . . . . .	6
Tech Prep Information . . . . .	8
Distance Learning Curriculum . . . . .	9
High School Plan . . . . .	8
Course Offerings Index . . . . .	10
Course Offerings . . . . .	12

## Guidance

Counseling services are made available to all Blue Hill High School Students. The counselor provides a variety of services and works with all students in the following ways:

1. Educational planning: Information about high school elective subjects, aid in planning high school courses of study, information about business, technical schools and colleges, and information about financial aid for postsecondary study.
2. Occupational planning: information on a variety of occupations is available. All sophomores are given the opportunity to take the COPsystem Career Assessments. Students also receive individualized guidance on career exploration.
3. Understanding abilities and interests: interpretation of assessments ranging from college aptitude tests to achievements tests to career interest inventories, along with discussion of topics such as progress in school, activities, and goals.
4. Students requesting counseling: topics and issues may include study skills, future plans, selection of school subjects, problems concerning adjustment to school, getting along with others, and personal problems.
5. Financial aid: help in obtaining financial aid for post-high school education.
6. College admissions: aid in obtaining college materials and filling out appropriate forms.
7. College admissions tests: notification of test dates, aid in registration, and test prep for the PSAT, ACT, and SAT
8. Scholarship applications: applications and guidance may be obtained in the guidance office where an extensive scholarship file exists. Students will also be exposed occasionally during class time and through the daily announcements to various scholarship opportunities.

## **Blue Hill High School Class Registration Procedure**

The guidance counselor or principal will visit classes to explain the registration process. Each student will receive a handbook of classes and a registration sheet. Students should complete and sign the form, obtain their parent/guardian signature, and return the form to the guidance counselor or principal in a timely manner. Students with special circumstances such as failures or who are having difficulty in deciding what classes are required for college or work should visit with the guidance counselor. Great care, thought, and consideration should be given to the choices.

Students should become well-rounded. There are a wide variety of courses to choose from. Career planning is extremely important and courses should be selected with that in mind. A student with an aptitude and/or a career interest should take high school courses that prepare him or her for that field. Students and parents should seriously consider their class selection so future opportunities are not jeopardized by omitting some high school courses. (See next page.)

Students will have ample time to make choices and discuss them with their parents, counselor, and friends. After the decisions are made, the student is formally registered for the coming year. Limited schedule changes will be made for conflicts and class failures.

## Graduation Requirements

A total of 220 semester hours must be earned by the student, of which 180 must be academic. (The class of 2008 is required to take 200 hours.) All students must carry a minimum of 35 hours per semester. A student must pass in each semester course to receive credit for both semesters. The state graduation requirements are minimum requirements. To be certain of meeting college entry requirements, check with the Guidance Counselor.

### Required Courses:

English	40 hours (English 1, 2, 3, and either English 4 or Personal Communication)
Math	30 hours (Any combination of math credits will meet this requirement. Note that business classes such as Accounting I or Accounting II do not fulfill math requirements.)
Social Studies	30 hours (This includes at least 15 credits, 5 of which must come from each of the following: World Studies, American History, and Civics. Additional credits may come from the aforementioned classes or from other social studies offerings.)
Science	30 hours (must include 10 hours each from General Science, Biology, and either and Biology)
Personal Health & Physical. Fitness	10 hours (required of all Freshmen)
Business	10 hours (Consisting of any combination of business classes.) (Students graduating in 2008 are grandfathered in under the old computer literacy requirements consisting of 5 hours of computer literacy.)

Note: To be considered for the new Academic Competitiveness Grant, which is offered at all public and private 2- and 4-year colleges, students must take the following courses while in high school:

3 years of math: Algebra I and higher

4 years of English

3 years of science: Phys. Science, Biology, and either Chemistry or Physics

3 years of social studies

1 year of foreign language

## College Preparatory Curriculum Guidelines:

The University of Nebraska at Lincoln is among the most selective colleges in the state. Its entrance requirements may serve as a guideline to students planning to attend a four-year university. (Some four-year colleges may waive the fourth year math requirement.) The NCAA (National College Athletic Association), which governs students participating in intermural collegiate activities also has specific guidelines. See the guidance counselor for details.

### UNL Admissions Requirements:

English	<b>4 units</b> (40 credits) including English 1, English 2, English 3, and English 4 (Personal Communication and Speech do not qualify.)
Math	<b>4 units</b> (40 credits) including Algebra I, Algebra II, Geometry, and one additional unit that builds on a knowledge of Algebra or Geometry
Social Studies	At least <b>1 unit</b> (10 credits) of American and/or world history and <b>one additional unit</b> of history, American Government, and/or geography, <b>and a third unit</b> drawn from any social science discipline
Natural Science	<b>3 units</b> (30 credits). At least two of the three units selected from biology, chemistry, physics, and earth sciences. One of the units must include laboratory instruction.
Foreign Language	<b>2 units</b> (20 credits). Students who are unable to take two years of foreign language in high school may still qualify for admission. Such students will be required to take two semesters of foreign language at the University of Nebraska. These students are still required to complete 16 units of academic coursework for admission.

Students will have ample time to make choices and discuss them with their parents, counselor, and friends. After the decisions are made, the student is formally registered for the coming year. Limited schedule changes will be made for conflicts and class failures.

## Tech Prep (Free College Credit!)

Blue Hill High School is privileged to be a member of the Tech Prep Consortium for the south central region of Nebraska. This consortium allows instructors at BHHS to align their vocational course curricula with those of courses offered through Central Community College of Hastings, Grand Island, and Columbus.

By aligning our courses with those of the college programs, our students can take courses here which are recognized as college credit by CCC, as well as by many other colleges across the state (and a few outside the state). Students must maintain a “B” average or above to prove proficiency before college credit can be awarded. Once credit is awarded, the student will have a college transcript at CCC which lists his/her college courses. This transcript can be requested at any time and may be sent to other colleges.

Our school offers the equivalent of ten Tech. Prep.college courses within our curriculum.

The chart below outlines these courses. College credits are denoted in parentheses.

<b>HIGH SCHOOL COURSE</b>	<b>=</b>	<b>CCC COLLEGE COURSE</b>
Animal Science	=	AGRI 170.1,.3 (2)
Natural Resources	=	AGRI 134.0 (2)
Horticulture	=	COMH 135.0 (2)
Art I, Art II, & Art III	=	MART 125.0 (3)
Data Processing	=	INFO 112.1-2 (2)
Accounting I	=	BSAD 110.0 (3)
Accounting II	=	BSAD 130.0 (3)
Computer Programming	=	ELNS 198.0 (3)
Exploratory Design	=	DRAF 159.0 (3) with pretest DRAF 160.2 (1)

For more information about the Tech Prep Program, feel free to visit with the principal or counselor.

## High School Plan

When choosing classes, the students should be mature and responsible enough to live with their choices. Students should accept responsibility for the difficulty level of their course choices, and the fact of who the teacher and other students in the class are should not impact their decision.

Parents are asked to be involved in the course selection from the very beginning to avoid problems and to keep them informed regarding their child’s education. If there are any questions regarding changes, please contact the Guidance Counselor or Principal.

## High School Four-Year Plan

Subject	9th Grade	10th Grade	11th Grade	12th Grade
English	English 1	English 2	English 3	English 4 or Pers. Communication
Science	Physical Science	Biology		
Math	Alg. I/Gen. Math/Alg. II			
Health/P.E.	Health/P.E.			
Social Studies	World Geography		American History	Civics
Computers				
Electives				
<b>Total Credit Hours</b>	70-80	80	80	70-80

## Course Offering Index

Accounting I .....	11
Accounting II.....	11
Ag. Ed. Advanced Ag. Mechanics.....	11
Ag. Ed. Ag. Science.....	11
Ag. Ed. Agribusiness.....	11
Ag. Ed. Animal Science.....	12
Ag. Ed. Horticulture.....	12
Ag. Ed. Intro to Ag. Mechanics.....	12
Ag. Ed. Natural Resources.....	13
Algebra I.....	13
Algebra II.....	13
American History.....	13
Applied Math.....	14
Applied Science.....	14
Art I.....	14
Art II.....	14
Art III.....	14
Band.....	14
Biology.....	15
Business Law.....	15
Business Math.....	15
Chemistry.....	15
Civics.....	15
Choir.....	15
Computer Programming.....	15
Consumer Education.....	15
Data Processing.....	16
Drama.....	16
Economics.....	16
English I.....	16
English II.....	16
English III.....	16
English IV.....	16
Exploratory Family & Consumer Science.....	16
Exploratory Design.....	17
Foods I.....	17
Foods II.....	17
General Anatomy & Physiology I.....	17
General Math.....	17
Geometry.....	17
German I.....	17
German II.....	17
Health.....	18

Independent Living.....	18
Journalism.....	18
Modern Problems.....	18
Occupational Math.....	18
Personal Communications.....	19
Physical Education.....	19
Physical Science.....	19
Physics.....	19
Pre-Algebra.....	19
Psychology.....	19
Sociology.....	20
Spanish I.....	20
Spanish II.....	20
Spanish III.....	20
Spanish IV (in 2008).....	20
Speech.....	20
Statistics.....	20
Strength Training and Conditioning.....	21
Trig/Calc.....	21
Weight Training.....	21
World Studies.....	21
Yearbook.....	21

## **ACCOUNTING I**

This course places the emphasis on the foundation of accounting concepts, procedures, and vocabulary. The student will learn the accounting cycle for sole proprietorship, will manage a merchandising business organized as a partnership, and will begin the process for a merchandising business organized as a corporation. Students will also complete business simulations for a sole proprietorship and for a merchandising business organized as a partnership. Knowledge of basic mathematical functions is very helpful. Accounting I is a junior/senior course offering. This course is the equivalent of Small Business Accounting at Central Community College.

**TECH PREP CLASS: Equivalent to BSAD 110.0 (3 credits)**

## **ACCOUNTING II (Prerequisite: Accounting I with grade of C or higher)**

This course is an extension of Accounting I and emphasizes the foundations of accounting concepts, procedures, and vocabulary. The students will learn the concepts of Departmentalized Accounting, Accounting Control Systems, General Accounting Adjustments, Corporation Accounting, Management Accounting, and Cost Accounting. Students need to have a C or higher in Accounting I to take this class.

**TECH PREP CLASS: Equivalent to BSAD 130.0 (3 credits)**

## **AG ED: ADVANCED AG MECHANICS (Prerequisite: Intro to Ag. Mechanics)**

This semester-long course is designed for students who have an interest in furthering their skills in ag mechanics. Topics in this course will rotate each fall semester in order that a student will have the opportunity to take this course in both the junior and senior years. The topics will include the following: advanced electricity, electric motors, introduction to hydraulics, and advanced welding techniques. Students will also be required to pass the safety test prior to entering the shop.

## **AG ED: AG SCIENCE**

This course is designed for freshmen entering agriculture education, but it is open to any student entering ag ed for the first time also. Introduction to agriculture and the FFA organization are covered, as well as parliamentary procedure, how to build an SAE, and keep record books. Introduction to agriculture include agriscience in the information age, careers in the agriculture industry, natural resources management, beginning plant sciences, beginning animal science, food science, and communications.

## **AG ED: AGRIBUSINESS MANAGEMENT**

This course is open to seniors who have an interest in the business aspects of agriculture. Students will be able to identify and describe the economic principles that influence the creation and conduct of business in a free market economy including the nature of international trade. Students will learn the elements of financial accounting and financial planning for success, as well as recognize the importance of human relation skills in successful business management. Topics included are ag sales, marketing, ag. Law, and farm and ranch business management.

**AG ED: ANIMAL SCIENCE**

**OFFERED ALTERNATING YEARS: AVAILABLE IN 2008-2009**

This course will consist of the study of three major production areas: beef, sheep, and swine. The student will learn selection and judging techniques for all three species. Management and care for the herd including nutrition, health, and genetics will also be taught. This course will also incorporate effective marketing techniques and economics that impact the industry. This course counts for most agriculture majors in college.

**TECH PREP CLASS: Equivalent to AGRI 170.1, .3 (2 credits)**

**AG ED: HORTICULTURE (Prerequisite: Biology)**

**OFFERED ALTERNATING YEARS: AVAILABLE IN 2007-2008**

**(First Semester)**

This course consists of plant identification, propagation techniques, and chemical safety while utilizing management operations necessary for growing plants in a greenhouse environment. Basic soil science will also be taught as well as environmental issues, careers in the horticulture industry, and successful marketing strategies of products. Students will identify career opportunities in the landscaping and turf management industry, describe the elements of growing and managing turf and landscape plants, and perform the necessary procedures of site analysis and evaluation.

**(Second Semester)**

This course consists of identifying career opportunities in the floriculture industry, selection and handling techniques for the care of plants, principles and mechanics of the floral design, and strategies necessary to operate a floral shop. Students will also learn about vegetable and fruit production, as well as successful gardening techniques. This course counts toward a commercial horticulture degree.

**TECH PREP CLASS: Equivalent to COMH 135.0 (2 credits)**

**AG ED: INTRO TO AG MECHANICS**

This semester-long course is designed to familiarize the student with basic theory and specialized skills. Skills will be developed in the areas of tool identification and safe use, electricity, and small engines. Students must successfully complete this course **before** they are allowed to enter the second semester segment, as well as move into the advanced course. Activities include small engine maintenance and electric wiring boards.

**AG ED: INTRO TO WELDING (Prerequisite: Intro to Ag Mechanics)**

This semester-long course is designed for students who have an interest in welding and project construction. Students will learn welding techniques for arc, oxy-acetylene, mig, and aluminum mig welding. Students will be required to turn in welds for grades, and learn safety procedures for welding prior to entering the shop. Activities include the district welding contest, welding boards, and small project construction.

## **AG ED: NATURAL RESOURCES**

**Offered alternating years: Available in 2008-2009**

### **First Semester:**

This course will focus on two main areas of natural sciences: native rangeland and soils. Students will be able to identify various range plants and correct management strategies for rangeland conservation. The next segment of this course is land management. Students will identify different soil types and later distinguish between various land classes and uses which promote erosion control. Activities include District Range Judging Contest and District Land Judging Contest.

### **Second Semester:**

The first segment of this course will focus on crop production. Students will learn how to identify environmentally compatible pest management strategies which promote efficient field crop production. Students will learn the basics of plant and weed science and apply them to production of crops. The next segment of the course will focus on water science, recycling, and wildlife management where students will learn the basics of conservation and pollution control. Activities include District Range Judging Contest and District Land Judging Contest. This course counts as college credit toward many agricultural degrees in college.

**TECH PREP CLASS: Equivalent to AGRI 134.0 (2 credits)**

## **ALGEBRA I**

This course introduces students to variable equations, expressions, and inequalities. Students will learn how to use tables and graphs as tools of interpretation. They will learn to solve a wide range of problems involving complex equations and story problems.

### **ALGEBRA II (Prerequisite: Algebra I)**

This course helps in the development of algebra skills, concepts, and problem-solving strategies introduced in Algebra I. The applications are enhanced by connecting algebra to other mathematical topics and to real-world situations.

## **AMERICAN HISTORY**

While this is a high school level course, students will have the option of taking it for college credit through Central Community College with the payment of CCC's current tuition rate. The course (HIST 201 and HIST 202) is transferable at most Nebraska postsecondary institutions as a general education requirement.

Semester 1 of this course is a survey of American history from the age of discovery through the Civil War. Emphasis is on the political, economic, and social problems in the growth of the American nation. **(3 credits from CCC)**

Semester 2 of the course surveys American history from the end of the Civil War to the present day. Emphasis on political, economic, and social problems in the growth of the American nation. **(3 credits from CCC)**

### **APPLIED MATH**

This course provides fundamental instruction in diversity of mathematics for better performance in most types of work not requiring a 4-year college degree. This is a practical problem-solving course.

### **APPLIED SCIENCE**

This class provides fundamental instruction on the diversity of science for better performance in most types of work not requiring a 4-year college degree. It is a practical situational problem-solving course. The class includes projects such as bridges, mousetrap cars, rockets, etc.

### **ART I**

This elective is open to 9-12<sup>th</sup> grade students. The course provides an opportunity for the student to be introduced to several areas of art. Students will learn many techniques and have the opportunity to produce projects. Study will include drawing, self-portrait, pottery, art principles and elements, painting, art history, and art criticism.

### **ART II**

This elective is designed to give students the chance to expand and develop their artistic abilities. Emphasis is placed on students being creative and developing their own style and ideas. Areas of study include drawing, pottery, painting, printing, airbrush, sculpture, and crafts.

### **ART III**

Art III is designed to allow the student exposure to computer-aided graphic design. Students will learn to use Adobe Photoshop and create their own designs.

### **ART IV**

This is an independent art course, with the student doing individualized projects under instructor supervision. Students must have taken Art I and Art II. Students may register for this with instructor permission.

### **BAND**

The high school band is a performing organization that is made up of students who have at least two years experience on a wind or percussion instrument. Exceptions to this prerequisite could be students who have a background in other instruments such as piano or guitar and/or who can demonstrate a strong musical aptitude and desire to play in the high school band. All students who are in the high school band provide their own instruments with the exception of those students who play the large or unusual instruments such as bass clarinet, baritone saxophone, tuba, oboe, bassoon, and some of the larger percussion instruments. Any student who enters high school band without owning his/her own instrument will be allowed to do so on the basis of musical ability and need for particular instruments as determined by the band director.

## **BIOLOGY**

This is a comprehensive view of life from the cellular and molecular level with emphasis on structure as related to function. This is achieved through broad areas such as genetics, microbiology, and anatomy and physiology of the human body.

## **BUSINESS LAW**

This one-semester course will cover the foundations of American law. Business ethics, contractual business, and other topics will be covered.

## **BUSINESS MATH (for Juniors and Seniors only)**

This course uses a variety of mathematical techniques as students study business concepts and applications.

## **CHEMISTRY (Prerequisite: Algebra I)**

Chemistry is a comprehensive view of matter and its changes, classifications, and patterns. This is achieved through broad areas such as periodic law, quantum mechanics, and inorganic and organic chemistry.

## **CIVICS**

Students are introduced to the major types of governments in the American system, as well as others used in foreign lands. Emphasis is also on one's civil rights, the voting process, how government works, and how one can affect government. Students will be required to increase their awareness of current government and political events through TV cable news, newspapers, magazines, and research.

## **CHOIR**

Choir is a performing organization that provides students opportunities to sample in depth music of quality from various periods of music history. It fosters the recreational aspect of music, promoting the value of involvement by the students as a music-maker, as well as a listener.

## **COMPUTER PROGRAMMING**

This one-semester course introduces students to basic programming skills. Students will learn the language of the computer and be able to write simple programs including graphics and animation. Good keyboarding skills are necessary. This class counts toward college credit in the area Electronics Technology at Central Community College and may also be recognized as an elective course.

**TECH PREP CREDIT: Equivalent to ELNS 198.0 (3 credits)**

## **CONSUMER EDUCATION (F.A.C.S.)**

Students will be provided skills to empower them to be effective citizens in the marketplace. Some of the units included are the following:

- How to purchase, finance, insure, and maintain a car.
- Use and abuse of credit, choosing a card wisely, dangers and downfalls of credit, rights, and resources.
- How to buy, sell, navigate, and communicate online safely and efficiently.

--Cost-of-living reality check, budgeting, apartment rental agreements, landlord-tenant rights, utilities.

--Investing and basic knowledge of the stock market.

### **DATA PROCESSING**

Data Processing is a course that covers more advanced work in Word Processing as well as instruction for Spreadsheets, and PowerPoint (presentation software). Several other software programs are covered throughout the year as well. They include: AppleWorks, DreamWeaver, HTML Language, iMovie, iPhoto, iTunes, and Adobe PhotoShop.

Students are given time in class to complete several projects relating to the above mentioned software programs. Data Processing is offered for grades 9-12. **TECH PREP**

**CLASS: Equivalent to INFO 112.1-2 (2 credits)**

### **DRAMA**

This course introduces various aspects of drama and acting. Students will gain exposure to presentation formats, and they will be given the opportunity to improve their skills in areas such as monologues, duets, and others. A basic background of theater will be covered.

### **ECONOMICS**

This course deals with both micro and macroeconomics. The concepts of supply, demand, competitive vs. monopolistic pricing will be covered on the microeconomics side, while total income, output, production, and prices are covered in macroeconomics. Students will gain exposure to the stock market as well.

### **ENGLISH I**

This course will include a basic review of grammar. Literature exploration will include Shakespeare's *Romeo and Juliet*, Dicken's *Great Expectations*, and a variety of short stories. Students will also be required to do independent reading for the Accelerated Reader program and learn the process for writing a research paper.

### **ENGLISH II**

This course emphasizes grammar, vocabulary study, writing, and learning library skills during first semester. Second semester focuses on literature by acquainting students with various selections of world literature, including some of the classics like *The Odyssey* and *Julius Caesar*. Special topics throughout the year include journal writing, writing book reports, and group projects.

### **ENGLISH III**

First semester of this course focuses on grammar and genres of American literature such as essays, short stories, journals, and poetry. Individual book reports are also required. During second semester, the English classic *Hamlet* is studied, as well as the American literature novels *To Kill a Mockingbird*, *My Antonia*, and *The Great Gatsby*.

### **ENGLISH IV**

The materials used in the English IV curriculum are college prep level taken from various sources and cover various eras of British literature from Old English to Modern English. Students learn to write college level essays by writing an essay over each novel. Students also write a ten-page term paper on a topic of the student's choice. Word Power is used for vocabulary study, and a grammar workbook is used for grammar review. English IV is recommended for the college-bound student, as its emphasis is on composition.

### **EXPLORATORY FAMILY & CONSUMER SCIENCE (FACS)**

This semester-long course will cover sewing and crafts for one quarter. Students will do teacher-directed activities as well as independent projects. The second quarter will deal with child development. Students will study the developmental levels of children and a simulated childcare program will be developed and implemented.

### **EXPLORATORY DESIGN**

This semester-long course will introduce students to the design field. Students will cover housing, with an emphasis on home furnishings and décor the first quarter, with an introduction. The second quarter will focus on CAD (computer-aided drafting), with students completing an independent design project.

### **FOODS**

Foods, nutrition, and culinary arts will be the main subjects of this course. Topics will include the psychological and social factors affecting food choices, proper nutrition for a balanced diet, nutrition throughout the life cycle, food safety and sanitation, food preparation, food presentation, and kitchen management.

### **GENERAL ANATOMY & PHYSIOLOGY I (Concurrent Credit with CCC)**

**Offered alternating years: available in 2007-2008**

Microscopic and macroscopic study of the organ systems of the human body integrated with physiological functions. Lab work is included. (3 college credits)

### **GENERAL MATH**

This course is offered to students who have not taken or are not planning to take Algebra I. It presents fundamental concepts and skills. The class will require a great deal of repetition and drill work.

### **GEOMETRY (Prerequisite: Algebra I)**

This course introduces students to the study of the sets of points in space. These points form a variety of figures, such as lines, angles, triangles, quadrilaterals, planes, cones, cylinders, and so on. Students will learn a variety of postulates and theorems that will help in the understanding of how geometry works.

### **GERMAN I**

The beginning course in German is taught over Distance Learning which emphasizes listening comprehension, pronunciation, basic grammar, conversation, and culture, which includes geography, history, German cuisine, customs, holidays, and topics of interest to youth. One of the highlights of the year includes individual projects and a virtual field trip to German speaking countries.

### **GERMAN II (Prerequisite: German I)**

German II is taught over Distance Learning. It is recommended that students have maintained a “B” average in German I. This course is designed to broaden the student’s skills in speaking, listening, reading, and writing. Continued cultural awareness is emphasized, including current events, careers in foreign language, and German influence in America.

### **HEALTH**

This course is designed to prepare students for healthy, productive lives. Various topics that are discussed and explored include, but are not limited to the following: major health problems (heart disease, respiratory disease, cancer, communicable diseases, etc.), C.P.R., basic first aid, emotional health, environmental health, nutrition, and other relevant health topics of the day. The course utilizes lecture, note taking, audio/visual, and hands-on work.

### **INDEPENDENT LIVING**

This one-semester course emphasizes personal and family relationships. Course content will consist of decision-making, dating, marriage, and lifestyles. Preparation for parenthood will be discussed, and students will have the opportunity to experience an infant care simulation activity.

### **MEDICAL TERMINOLOGY**

This course covers three units of medical terminology. It is self-paced, with students choosing whether to earn 1, 2, or 3 college credits during the year. (Students must finish one unit each semester to earn the ten units of high school credit. The course involves a great deal of memorization of basic medical terms pertaining to parts of the body, basic functions, diseases, and pathology. Students are required to take tests over each chapter, with a major review test at the end of each unit. They are also required to pronounce words aloud correctly. Computer-aided study is encouraged. The course is designed for students planning to study Health Information in college, and leads to careers in medical transcription and/or records. The course is also helpful, however, for anyone going into a medical field because of the broad scope of medical terms covered.

**TECH PREP CLASS: Equivalent to HIMS 102.1+ (up to 3 credits)**

### **MODERN PROBLEMS**

This course delves into the political, cultural, and other diverse problems of modern society. Students will enter into discussions, conduct research, and present information on topics relevant to contemporary issues.

### **MUSIC APPRECIATION**

This one-semester course will expose students to a variety of musical forms. Students will learn about various music genres ranging from classic to jazz. They will also view a variety of musical performances through the use of videos and other technology. Famous composers and musicians will also be researched and discussed.

### **MUSIC THEORY**

This one-semester course will cover the basic elements of sheet music, as well as the theories and formats of music, ranging from

### **OCCUPATIONAL MATH (for Juniors and Seniors only)**

This course, which is the equivalent of MATH 105 at Central Community College, exposes students to vocational and financial applications involving mathematical operations, measurement systems, geometric relationships, and basic statistical and algebraic concepts.

### **PERSONAL COMMUNICATIONS**

This course will focus on employment-seeking skills. The student will gain experience in writing letters of application, prepare a resume, and learn job interview skills. Also included in this course are a review of grammar and exercises to improve spelling and writing skills and enrich the student's vocabulary. The student will also gain experience and skills in public speaking.

### **PHYSICAL EDUCATION**

This course will concentrate on the rules of and fundamental skills necessary for various sporting activities including the following: softball, soccer, basketball, tumbling, touch football, badminton, horseshoes, and track and field. The student will learn teamwork and good sportsmanship.

### **PHYSICAL SCIENCE**

Physical Science is a comprehensive view of the basic concepts of Chemistry and Physics. This is achieved through broad areas such as light, sound, and matter and its patterns and changes.

### **PHYSICS (Prerequisite: Algebra II or instructor permission)**

Physics is a comprehensive view of the relationship between matter and energy. This is achieved through broad topics including Newtonian mechanics, quantum mechanics, nuclear physics, electricity, magnetism, and wave mechanics.

### **PRE-ALGEBRA (Take as preparation for Algebra I if needed.)**

This course provides a mathematical approach to solving algebraic equations and inequalities using operations involving rational and irrational numbers. Coordinate graphs, number lines, ratios, proportions, and percents will also be discussed. An introduction to geometry and foreign number systems will also be provided. Students will be expected to keep a grade sheet, write story problems, do homework, take exams, work in groups, and work on computers. Supplies needed: pencils, colored pens for checking, compass, protractor, ruler, and a Math notebook.

### **PSYCHOLOGY**

This is an introductory course that explores different schools and key figures in psychology. The class explores many of the aspects of psychology and how it may affect the students and the world around them.

### **SOCIOLOGY**

This course covers the various aspects of culture and interaction among societal groups. Students will explore the impact of cultural and other differences and explore their own sociologic opinions and actions.

### **SPANISH I**

The beginning course in Spanish emphasizes listening comprehension, pronunciation, basic grammar, conversation, and culture, which includes geography, history, Spanish cuisine, customs, holidays, and topics of interest to youth. One of the highlights of the year includes individual projects and a virtual field trip to Spanish-speaking countries.

### **SPANISH II (Prerequisite: Spanish I)**

Spanish II is designed to broaden students' skills in speaking, listening, reading, and writing. Continued cultural awareness is emphasized, including current events, careers in foreign language, and Spanish influence in America. One of the highlights of the year includes teaching elementary students in a mini-course format.

### **SPANISH III (Prerequisite: Grade of A in Spanish II)**

Spanish III is designed to increase students' skills in listening, reading, writing, and especially speaking. Cultural awareness is enhanced. Individual projects and translation from outside resources is required.

### **SPEECH**

This course provides students with an opportunity to learn various forms of public speaking. Students will focus on all aspects of presentation, ranging from voice to visual aides. Examples of required speeches will be the entertainment speech, the informative speech, and the persuasive speech.

### **STRENGTH TRAINING AND CONDITIONING**

This course will concentrate on weight lifting and conditioning. Lifting will focus on core lifts and supplementary lifts to improve strength and performance. Conditioning will consist of distance running, interval running, jump ropes, plyometrics, and other endurance tests.

**TRIG/CALC (Prerequisites: Algebra I, Geometry, Algebra II)**

This course provides preparation for those who intend to continue their study of mathematics, as preparation for the math classes needed in college to complete the student's major field of preparation, or as preparation for a career in mathematics.

**WEIGHT TRAINING**

This course introduces students to the regimen of weightlifting. Three days per week, students will do a basic program of core lifts, as well as supplementary lifts. The other days will be spent on various conditioning exercises.

**WORLD STUDIES**

Emphasis is placed on geography, culture, and brief histories of the major regions of the world. The politics of the regions is also studied. Early in the course, students will review fundamental geography concepts and terms.

**YEARBOOK**

This is a full-year course in which students plan, create, and produce the high school yearbook and elementary memory book. Members of the yearbook staff are expected to have a high level of maturity and the ability to work independently. Students must have an English grade of 86% or better. This class is open to sophomores, juniors and seniors is limited to 10. Each student will learn to use the computer to developo new skills in digital technology, exercise his or her creativity, photograph and arrange pictures, conduct polls and interviews, write stories and captions, edit and rewrite copy, sell advertising, and market the yearbook.