

Ulysses High School Enrollment Handbook

*The Mission of UHS is to Prepare
Life-long Learners to be Responsible, Adaptable, and Productive Members
of Society.*

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GRADUATION REQUIREMENTS

Specific Class Requirements

I. Total Requirements for Graduation

-26 Credits are necessary for graduation

The necessary number of credits must be comprised of the following:

- 4 credits of English
- 3 credits of Social Studies
- 3 credits of Math
- 3 credits of Science— Physical and Biology
(2 Physical Sci and 1 Biology)
- 1/2 Credit Health 1/2 Credit PE
- 1 credit of Fine Arts
 1/2 Credit of Consumer and Personal Finance
- 11 Elective Credits

II. Course Requirements

- Freshman —
1. English I
 2. Pre-Alg, Alg. I, Geometry
 3. Health & PE 9
 4. Earth /Space Science

- Sophomore —
1. English 2
 2. Alg.1, Geometry, or Alg. II
 3. Biology

- Junior ———
1. English 3
 2. American History
 3. Geometry, Alg.II, Adv. Math
 4. Physical Science, Chemistry or
 Physics

- Seniors ———
1. English 4
 2. American Government

Note: Math Quest and Reading may also be required if Proficiency is not reached in State Assessment testing.

FEES

Enrollment Fees : \$35.00

Fee Based Classes: Fees are per semester. Grades may be held until fees are paid.

Intro to Drawing	\$12.50
Prncples of Ilust	\$12.50

Nutrition & Wellness	\$15.00
Baking & Pastry 1	\$15.00
Culinary Arts	\$15.00
Band (year)	\$ 8.00
Concert Choir (Year)	\$ 8.00
Drafting/CAD 1	\$15.00
Drafting /CAD 2	\$15.00
Adv. Drafting CAD 1&2	\$15.00
Intro to Machine Shop	\$20.00
Advanced Machine Shop	\$20.00

Mnfg Processes 1	\$25.00
Small Gas Engines	\$15.00
Production Welding Proc	\$25.00
Prod Weld Proc 2	\$25.00
Mnfg Processes 2	\$25.00
Brakes	\$15.00
Advanced Brakes	\$15.00
Steering/Suspension	\$15.00
Adv Steer/Supsension	\$15.00
Intro Indust Tech	\$15.00
Woodworking Princ	\$12.50
Furn & Cabtry Fab	\$12.50

Schedule Changes

Schedule changes: It is recommended that parents and students exercise care in selecting classes for the student's schedule.

There will be two times during the year when students can request schedule changes. The first time will be before the start of each semester, the second will be during the first week of classes with permission of the counselor due to special circumstances.

Rules governing schedule changes:

Only elective courses may be changed.

Schedules will be changed to assure the student is meeting graduation requirements.

A schedule change will be denied if it would result in exceeding either maximum or minimum enrollment numbers.

Enrollment in college credit courses is permanent

Extenuating circumstances for a schedule change may be appealed to the principal.

CAREER & TECHNICAL EDUCATION

Instruction through a modular sequence of courses that enables students to explore a variety of technology-based careers, Career & Technical Education prepares students for a wide range of careers that require varying levels of education. Career and technical education programs are designed to educate about, through, and for careers.

The following approved Career and Technical Programs are offered at Ulysses High School:

Comprehensive Agriculture Science
 Animal Science
 Construction & Design
 Visual Arts
 Business Entrepreneurship & Management
 Business Finance
 Restaurant & Event Management
 Consumer Services
 Family & Community Services
 Web & Digital Design
 Production
 BioChemistry
 BioMedical
 Cartography/Geospatial/Spatial Math
 Engineering & Applied Mathematics
 Mobile Equipment Maintenance

Students interested in these fields of study must notify the counselor and enroll in the program. Upon enrollment, a course of study will be determined for each student. The students in a Career and Technical Education Program will have preferred status for enrollment in classes required by their program. Kansas Competency Index, Career Development Skills will be compiled upon completion of each course. Students will receive them upon graduation as proof of vocational skills.

NOTICE OF NONDISCRIMINATION

One of the following notices of nondiscrimination which are listed below must be published in materials or publications made available to “participants, beneficiaries, applicants or employees.”

The Ulysses Schools do not discriminate on the basis of race, color, national origin, sex, handicap/disability, religion, or age as to treatment of students in programs and as to employment. Persons having inquiries concerning the District’s compliance with Title VI, title IX, Section 504, Americans with Disabilities Act, and the Age Discrimination Act may contact the district’s ADA and Section 504 coordinator, Rodger Hilton.

The Ulysses Schools do not discriminate on the basis of race, color, national origin, sex, handicap/disability, religion, or age. Persons having inquiries may contact the school district’s ADA and Section 504 coordinator, Rodger Hilton.

Spanish Translation

A VISO DE NO DISCRIMINACION

Las Escuelas Publicas de Ulysses no son discriminatorias por razones de raza, color, origen nacional, sexo, impedimentos fisicos/imcapacidades o edad en cuanto a el tratamiento de estudiantes en programas y en cuanto a empleo. Personas necesitando informacion adicional relacionada con el cumplimiento de parte del Distrito con el Titulo VI, Titulo IX, seccion 504 pueden ponerse en contacto con el cordinador de el Distrito, Rodger Hilton.

REGENTS QUALIFIED ADMISSIONS CURRICULUM

1 UNIT = 1 YEAR OR 2 SEMESTERS

English (4 units required)

One unit taken each year of high school. *To include Literature and Composition.

Natural Science (3 units required) Choose from the following list: *One unit must be chemistry or physics.

Biology/Honors Biology

Adv. Physical Science

Human Anatomy & Physiology

Chemistry**

Physics**

Math (must complete option A or B)

Option A—Must take 3 approved units of math and have a 22 on the math portion of the ACT.

OR

Option B—Must take 4 years of math one of which must be taken in the graduating year.

Courses completed at the middle school do not count. Approved units begin with Algebra I .

Social Sciences (3 units req.)

Students must choose form the following:

World History

US History 1,2,&3/AP USH

Minimum of 1/2 unit of Govern ment.

Electives (3 units required)

English, Math, Natural Science, Social Science, Fine Arts, Computer/Information Systems, World Languages, Personal Finance, Speech, Debate, Forensics, Journalism, Career and Technical Education.

World Language

Recommended but not required for Qualified Admissions.

Qualified Admissions Curriculum**

You must meet one of the following requirements to qualify for admission to any of the six Kansas Regent universities: Emporia State, Fort Hays State, Kansas State, Pittsburg State, University of Kansas, and Wichita State.

1. Achieve an ACT composite score of 21 or above; or
2. Rank in the top one-third of your high school's graduation class; or,
3. Complete the Qualified Admissions curriculum with at least a 2.0 grade point average (GPA) on a 4.0 scale.

**** This curriculum is considered to be an appropriate college prep track.**

Qualification for athletic involvement in Division I and Division II colleges and universities—see the counselor for more information.

If planning on attending college/university in Oklahoma and some other states, you must complete a full year of World History in high school.

Kansas Scholars Curriculum*

English (4 units required)

See the Regents Qualified Admissions Curriculum. The requirements are the same.

Natural Science (3 units required)

Students applying for a state-sponsored scholarship must take: Biology, Chemistry & Physics.

Students are strongly encouraged to take a fourth year of science.

Math (4 units required)

See the Regents Qualified Admissions Curriculum. The requirements are the same, plus at least one additional advanced math unit selected from: Analytic Geometry, Trigonometry, Adv. Algebra, Prob & Statistics, Functions, or Calculus.

World Language (2 units required)

Students are required to complete two years of one foreign language.

Social Science (3 units required)

See the Regents Qualified Admissions Curriculum. The requirements are the same.

*Includes Kansas State Scholar, Minority Scholar, and the Kansas Teacher Scholarship Programs.

Courses Requiring Instructor Permission

Art

-Advanced Art

Choir

-Concert Choir (must Audition)

Computer/Business

-Applied Business Development

-Emerging Technologies

-Yearbook

Technology Studies

-Carpentry

-Intro to Metals (12 grade)

-Production Welding Processes 2 (second time)

Library Aide

Office Intern

Enrollment Guidelines

Become familiar with Graduation Requirements (page 2), the policies for schedule changes (page 3), Qualified Admissions (page 6,7,& 8), and the information on the enrollment sheet.

Read the whole course description—make sure you want/need the course.

Pay close attention to grade level prerequisites and units of credit listed prior to the course description.

NOTE: the classes which require Instructor/Counselor/Administrator Permission and signature. This must be completed before turning your form into the Guidance Office.

Library, and Office Aide may not be taken during the same semester.

If you must have a course first or second semester, note this on your enrollment sheet with a (1) or (2) after the course and an effort will be made to accommodate your request.

If two courses are offered at the same time—the computer will use an alternate, so choose your alternates wisely.

Two PE classes may not be taken during the same semester.

Once you are in a year long class you must complete both semesters.

Agricultural Education

Agriscience Credit 1/2 (9,10,11,12) - This is an entry level course designed to introduce students to the curriculum of Ag Education. It will serve as an introduction to all areas: animal sciences, ag-machines, ag-business management, natural resources, FFA, SAE, record keeping, and careers in agriculture.

Ag Mechanics Credit 1 (9,10,11,12) - This semester course covers topics that deal with the care and use of machinery on the farm. Included are tillage implements, planters, drills, sprayers, mowers and conditioners, balers, combines, and tractors. Students will get hands on experience in working with these implements as well as training in maintenance and upkeep.

Animal Science I Credit 1/2 (9,10,11,12) - This is a semester course designed specifically to the animal industry. It deals with breeds, selection, livestock judging as well as management skills in record keeping. Furthermore, we will get hands on experience in working with animals and maintaining quality facilities.

Advanced Animal Science Credit 1 (11,12) - Large Animal Care courses focus on the care and management of large animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, facilities, use of qualitative and quantitative analyses for decision making, facilities, handling and training, and grooming are typical areas of study. Course topics may include product processing and marketing.

Plant & Soil Science Credit 1/2 (9,10,11,12) - Plant & Soil Science will deal with crop production, identification of seeds, plant specimens, weed specimens, seed analysis, grain grading, and management and marketing of crops. The course also deals with soil types, makeup of soil, soil management, fertility, improvements and land judging.

Ag Business Management Credit 1/2 (12) - Prerequisite: Ag Science. Farming is much more than “sows, plows, and cows”. In order to be successful in any business one must be able to make management decisions. This semester course will cover topics such as goals, objectives, decision making, record keeping, financial analysis, marketing, taxes, ag law, computers in agriculture, and whole farm case studies.

Horticulture Credit 1 (10,11,12) - Horticulture is a new popular course among many Ag departments across the state. This is a year long course. It will cover careers in Horticulture, plant growth and development, nursery operations, plant problems and controls, greenhouse management, floriculture, vegetable production and landscape and design.

Natural Resource Management Credit 1/2 (10,11,12) - This semester course covers topics dealing with principles and processes involved in the conservation and/or improvement of Natural Resources such as air, water, land, wildlife, habitat, forestry, and energy for economic and recreational purposes.

****Students are recommended to join and become active in FFA to enhance the skills they learn in the classroom.**

****Must be enrolled in at least one semester per year to be in FFA**

Art

Principles of Illustration/Intro to Drawing Credit 1 (9,10,11,12) Fee: \$25. A principle of Illustration explores a variety of media, tools and supports as a means to communicate ideas. Topics include an understanding of illustration as it applicable to careers in graphic design, animation, fashion/textile design, industrial design, web design, architecture, interior design and/or fine arts. Techniques in traditional and digital illustration applications will be explored as directly linked to ever-changing social trends. Introduction to Drawing emphasizes the development of fundamental drawing skills. Focus will be on the application of art theory, processes and techniques that increase the power of observation. Instruction includes the elements and principles of design as applied in composition through hard copy and/or electronic software.

Advanced Art I Credit 1 (10,11,12) Fee: \$30.00—Each student will create advanced projects using varying techniques while experimenting with new media and revisiting media that they have had past experience with as well. Students will be producing artwork to be shown at various art competitions and will be required to enter work into each show.

Business

Accounting Credit 1 (10,11,12)—This course will benefit you even if you don't think you might want to be an accountant. An understanding of accounting can help you make the right business decisions not only in business, but in your personal life as well. You will learn or strengthen many skills, such as communication, paying attention to details, improving your problem solving abilities, evaluating your own work, listening well, and interpreting data, which will all help you with any occupation you choose. You will learn the basic principles of double-entry bookkeeping being able to read, analyze and enter transactions, and do some computerized accounting procedures.

Advanced Accounting Credit 1 (11,12) - Advanced Accounting courses expand upon the fundamental accounting principles and procedures used in businesses. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students learn how to apply standards auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are usually used. Topics include principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process and further enhancement of accounting skills.

Business Essentials Credit 1/2 (9,10,11,12)—This course is designed to give students an overview of the business, marketing and finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Examine current events and their impact on the business industry. Determine how resources should be managed to achieve company goals.

Business Management

1/2 Credit/Dual Credit College Course (10,11,12)—Students are acquainted with business management knowledge, communication skills, personal and business ethics and human relations. This course provides students with the skill set to plan, staff, finance, and control the operations within the business setting. They will get an understanding of the business world, structure and the connection with industry, government, and global economy. The course may also emphasize problem-based, real-world applications of business concepts, and use business theorists to develop a working understanding of business decisions. This may include formulating, analyzing and evaluating businesses while assessing the financial records and business ethics.

Entrepreneurship 1/2 Credit (10,11,12)

Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

Marketing Credit 1/2 (10,11,12) Prerequisite: Entrepreneurship—Marketing—Comprehensive courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics may include (but are not limited to) market research, the purchasing process, distribution systems, warehouse and inventory control, salesmanship, sales promotions, shoplifting and theft control, business management, and entrepreneurship.

Consumer & Personal Finance 1/2 Credit (9,10,11,12)—Consumer and Personal Finance courses provide students with an understanding of the concepts and principles involved in managing one's personal finances. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also provide an overview of the American economy.

Applied Business Development 1 Credit (11,12) (Must have teacher permission) Prerequisite: Must have completed 2 of these 3 classes—Entrepreneurship, Marketing or Business Management—Applied Business Development students will practice skills of planning, organizing, directing and controlling functions of operating a business while assuming the responsibilities and risks involved. Students will develop skills in enterprise development, market analysis and financial preparation. These courses includes classroom activities as well as involving further study of the field and discussion regarding real-world experiences and applications that students encounter in owning and managing a business.

Computer Technology

Computer Applications Credit 1/2 Credit (9,10,11,12)

This course will develop your word processing skills creating memos, business letters, reports and newsletters using Microsoft Word; spreadsheet skills creating charts and graphs using Microsoft Excel; and presentation skills creating presentations using Microsoft Powerpoint.

Graphic Design 1/2 Credit (9,10,11,12)— Student will be exposed to design elements and principles in the purposeful arrangement of images and text to communicate a message. They will understand how to design for different mediums such as; print, web sites, and commercials. The focus is on creating graphic art products which include; advertisements, product designs, and logo designs. The course will investigate the computer's influence on and role in creating contemporary designs and provide a cultural and historical study of master design works of earlier periods and styles. This course will lay the ground work for students who have an interest in Yearbook, Emerging Technologies or Web Page Design.

Web Page Design 1/2 Credit (9,10,11,12)—Students will be instructed to design web sites through introducing and refining their knowledge of web site planning, page layout, graphic design, and mark-up languages. The languages used are specific to the website manager being used, however they will be exposed to HTML, JavaScript and Document Object Model which develop and maintain a web page. The course will also cover security and privacy issues, copyright infringement, trademarks, and other legalities relating the internet usage. The course will include understanding how to make changes to web pages, create, and launch live websites. This will be the basic information which leads to the managing and updating of the schools web page. Students will understand that once they are permitted to work on the schools website all additions and changes must be approved and are subject to removal of project privileges.

Interactive Media Credit ½ (9,10,11,12) Prerequisite: Graphic Design or Web Design— Students will understand what goes into the making or designing of a variety of computer-based systems. They will learn how to use a variety of programs to create and develop media projects. Some of these will be Powtoons, Screen-Cast-O-Matic, UHS Website, OR Codes and Prezi. There will be a student choice project using one of the technologies learned in the course showcasing a media content of interest as the midterm project. Students will be able to understand, learn, and use the broadcasting room.

Emerging Technologies Credit 1 (11,12) Prerequisite: Must have had 2

Technology/Computer Classes—In this course students will delve into up and coming technologies. Develop an understanding of how to improve or change current technologies. Some topics include alternative energy, drones, and individual technology projects proposed by students. The individual technology projects must be current and relevant to today's technology. The projects must be preapproved before spring semester. Students must have had Graphic Design, Web Page Design or another computer/technology course as a prerequisite.

Yearbook Credit 1 (9, 10, 11,12) Prerequisite: Instructor Permission, Middle School Yearbook or Graphic Design— Students will be exposed to the workings of a business; including financial funding, marketing, design, editing and production of the school yearbook. The students will be representatives of the school and are expected to handle themselves in a proper manner. The course will cover layouts, photography, marketing, deadline obligations, sales and distribution. Students who are interested must successfully complete an interview and submission of references. This course requires additional time outside of the classroom setting; attending school functions, evenings, weekends, and some after/before school. There will be mini summer sessions to finalize for publishing and to plan for the upcoming school yearbook. Final enrollment will be at the approval and discretion of the instructor.

English

English 1 Credit 1 (9) - This course focuses on developing communication skills through reading and writing. Grammar, vocabulary, sentence variety, and paragraph structure are studied while students use language in composition. Concepts studied in literature are nonfiction, short story, drama, and poetry. Students write narrative, persuasive, and expository papers as a means to practice and express their language skills. Spelling and vocabulary practices enhance writing and vocabulary background.

English 2 Credit 1 (10) - This class explores the technical issues of literature through a wide variety of literary works including drama, fiction, nonfiction and poetry. Students expand their knowledge of literature terminology as well as exploring authors' styles and techniques. Students will be required to create original works of writing and participate in oral presentations in order to comply with College and Career Ready Standards.

English 3 Credit 1 (11) - Students read and discuss poetry, essays, speeches, short stories and dramas that reflect history, values, and entertainment. These pieces are a mixture of classic and contemporary. Composition assignments include narratives, creative writing, technical writing, expositions, argumentative essays, and short research reports. Spelling and vocabulary and grammar practice enhance their writing.

English 4 Credit 1 (12) - During the course of the year students will read and discuss great works of British literature from the Dark Ages to modern times and study the cultural contexts from which the works originate. Literature will include Beowulf, Arthurian legend, Hamlet, and a variety of poetry, drama, novels, and short stories. Weekly writing and grammar study will enhance students' verbal and written communication skills. Students will research and write a term paper based on MLA style.

Grammar Study Credit 1/2 (10,11,12)—This course is designed to highlight grammar concepts used in Standard American English. All four areas of speaking, listening, reading and writing will be used to explore the proper use of formal English. will have the opportunity to review basic parts of a sentence to understand complex sentence construction and fluency. review of the mechanics, punctuation and spelling of English used for academics will also be addressed. course will help students in writing and speaking across the curriculum as well as prepare them for the English section on the ACT.

English Comp I (May be taken in place of English 4)

Credit 1/2 and 3 hours college credit (12) - This class emphasizes essentials of composition and analytical reading, as well as critical thinking and narrative writing. A competency test in English grammar skills must be passed during the semester. Applicants must acquire an ACT Reading score of 18+ or 70+ on the COMPASS Writing Test. This course can be taken as an English credit in

place of English 4A.

English Comp II (May be taken in place of English 4)

Credit 1/2 and 3 hours college credit (12), Prerequisite English Comp I. This course is an extension of Comp I and offers emphasizes in diction, style, argumentative writing, and critical thinking. Those skills will all be utilized within a major research project. This course can be taken as an English credit in place of English 4B.

Public Speaking Credit 1/2 (10,11,12) This course enables students, through practice, to develop communication skills that can be used in a variety of speaking situations. Course topics may include (but not limited to) research, organization, and presentation skills. Students will develop self-confidence by presenting impromptu speeches, travel talks, informative speeches, persuasive speeches, and demonstration speeches. Students will take a written final as well as giving a final speech.

Journalism 1/2 Credit (10,11,12)—Students who learned the facets of journalistic writing, including editorials and news, feature and sports stories will work as a production team to create these types of stories weekly. Stories will be created for publication. Students will develop their own “beat”. The ability to meet deadlines and to be self-driven will be mandatory.

Advanced Journalism 1/2 Credit (10,11,12)—**Prerequisite: Journalism** Students who learned the facets of journalistic writing, including editorials and news, feature and sports stories will work as a production team to create these types of stories weekly. Stories will be created for publication. Students will develop their own “beat”. The ability to meet deadlines and to be self-driven will be mandatory. This is an independent study and students must fill out an application.

Creative Writing 1/2 Credit (10,11,12)—This class is designed for the student with the desire to explore expanding his own writing through the genres of short story, novella, plays, and poetry. Through monthly goal setting meetings with the instructor, students will complete projects on individualized writing projects. A portfolio of original writing projects will be due at the end of the semester.

Theatre Basics 1/2 Credit (9,10,11,12)—This class will introduce students to the world of drama at an introductory level in the areas of history, stagecraft, and performance. Students will understand the history and development of drama through different cultures. They will be actively involved in the musical through participation with props, sets, costumes and makeup. Stage presence will be enhanced through activities such as improvisation, filming and stage production. Participation is mandatory.

Debate 1/2 Credit (9,10,11,12) — Students will conduct in-depth research about a current event and will debate against another team of two. Students are required to attend tournaments throughout the semester. Students develop critical thinking and analytical skills along with logic and impromptu speaking techniques to defend opposing sides of social issues.

Forensics 1/2 Credit — Students will prepare several pieces for competition. Pieces can include dramatic or humorous acting or researched and written speeches. Students will be required to attend

tournaments throughout the semester.

Family & Consumer Science

Culinary Essentials 1/2 Credit (9,10,11,12) Fee: \$15.00—

This course provides student with knowledge and skills related to commercial and institutional food service. Topics range widely, but may include sanitation and safety procedures, nutrition and dietary guidelines, food preparation, and meal planning and presentation.

Baking & Pastry 1 1/2 Credit (9,10,11,12) Fee—\$15.00

Prerequisite: Culinary Essentials

Culinary Art-Bakery/Grains Specialty will focus upon the instruction and skill development related to bakery items. Topics may include study of grain production, nutrition values and product performance as well as the application to grain products. Baking experiences may include yeast breads, quick breads, cakes (and cake decoration) and other baked desserts, product outcomes using various flours and storage methods. An entrepreneurship experience may be part of this course.

Culinary Arts 1 1 Credit (10,11,12) Fee—\$15.00 a semester. **Prerequisite:**Culinary Essentials

Culinary Art—General Skill Specialty will focus upon the skills generally recognized as important to the field of culinary arts. Topics will include plating, garnishes, soups, sauces and main dish presentation. Bakery and desserts will be introduced, but not the main focus on this course. Catering experiences may be included as well as observations of those already in the field that are responsible for these areas in food production or a culinary kitchen.

Essentials of Interior and Textile Design Credit 1/2 (9,10,11,12) This course introduces students to and expands upon the various aspects of industry, conveying the commercial application of principles and elements of design, production processes, and maintenance techniques to meet the design needs of humans. Students will learn about the different types of fabrics and textiles and will learn how to sew and construct clothing. This course will also provide a discussion and exploration of career opportunities in interior, textiles and fashion.

Interior and Textile Merchandising Credit 1/2 (10,11,12) This course centers upon the merchandising of interior and textile products in a variety of settings. Topics include exploring cycles, trends and style as well as the techniques in coordination, promotion, display and sales of interior and textile items. Basic management and entrepreneurship will be introduced as will the relationship of the skills to set and exhibit design. Students will create and design their own line of merchandise.

Interior and Textile Design Studio Credit 1 (11,12) **Prerequisite: Essentials of Interior and Textile Design or Interior and Textile Merchandising** (previously Housing and Interior Decoration and Clothing and Textiles 2) This course provides students with the opportunity to expand knowledge and experience with 4-dimensional design forms as the relate to human needs. Topics will include the language, materials and processes used to apply the design elements and principles based upon designers, periods and styles. As students advance and become more adept, the instruction regarding the creative process becomes more refined and students are encouraged to

develop their own design styles to meet the needs of client.

Family Studies Credit 1/2 (10,11,12) Family Living courses emphasize building and maintaining healthy interpersonal relationships among family members and other members of society. These courses often emphasize (but are not limited to) topics such as social/dating practices, human sexuality and reproduction, marriage preparation, parenthood and the function of the family unit, and the various stages of life. They may also cover topics related to individual self-development, career development, personal awareness, and preparation for the responsibilities of a family member and wage earner.

Career & Life Planning Credit 1/2 (9,10,11,12)

For successful careers, stable families, meaningful relationships and strong communities, individuals need to manage responsibilities, solve problems, make informed decisions, communicate effectively with others, and assume leadership roles. Classes will consider the impact of communication, goal setting, conflict management, along with exploring the careers and career interests. Guest speakers, field trips, and hands on activities are used to enhance learning. Possible projects may include planning a budget, writing a resume and job application letter, and creating a career portfolio showing a plan of action to achieving their goals.

Human Growth and Development Credit 1/2 (9,10,11,12) Child Development/Parenting courses provide students with knowledge about the physical , mental, emotional, and social growth and development of children from conception to pre-school age. In addition, these courses help students discover how parents should respond to the various stages of childhood. Course content typically includes topics such as prenatal and birth processes; responsibilities and difficulties of Parenthood; fundamentals of children's emotional and physical development; and the appropriate care of infants, toddlers, and young children. Students projects include caring for the RealCare baby simulator and running a day care for an afternoon.

Community Connections 1/2 Credit — This course provides community based/school based learning experiences mainly within the family and consumer sciences classroom. Learning goals are set by the student, teacher and community partners to create experiences and/or discussions to enhance the development of the 21st century skills (i.e. leadership, empathy, communication, problem solving, cooperation, critical thinking, and resource management) needed to be successful in human services/family and consumer sciences related careers.

Career Connections 1/2 Credit — This course provides human services/family and consumer sciences related work-based learning experiences (paid or unpaid) outside the traditional classroom. Learning goals are set by the student, teacher and employer/adult mentor to create field experiences and /or discussions related to human services/family and consumer sciences occupational technical skills.

Foreign Language

It is recommended that students planning to enroll in a foreign language class at UHS have a “C” average or better in their English course work. A strong English base is required for success in learning a second language and will be considered in enrollment requests.

Spanish 1 Credit 1 (9,10,11,12) - Primarily designed to teach Spanish as a second language. A large amount of the first year is spent building vocabulary and introducing basic grammar patterns. Speaking, listening, reading, and writing skills are emphasized. Latin American culture is compared to European culture. Handouts and worksheets are used to reinforce grammar skills.

Spanish 2 Credit 1 (10,11,12) - **Prerequisite: Spanish 1**—An extension of Spanish 1 intended to expand and enlarge the vocabulary, grammar, and oral aspects of Spanish. There is more concentration on the reading and writing aspects of Spanish 2 than in Spanish 1. Handouts and worksheets are used to reinforce grammar skills. Projects are assigned for communicative practice.

French 1 Credit 1 (9,10,11,12) - This course will include skills and concepts that result in the understanding of most routine questions, statements and commands, as well as everyday conversations on non-technical subjects. Skills and concepts that result in the ability to speak intelligibly, use vocabulary sufficiently, express oneself simply and discuss situations relevant to everyday life are also included. Reading, writing, culture and language are also covered.

French 2 Credit 1 (10,11,12) - **Prerequisite: French 1 with a 70% or higher final grade * Must have instructors signature.**—This course will be an extension to French 1 to expand the vocabulary and grammar of French. Stronger emphasis will be placed on reading, speaking, and writing French. Cultural study about the French-speaking world is continued. Students will acquire greater skill and confidence in using the French language.

Library & Office Aide

Library Aide Credit 1/2 (11,12) - Library aides must become familiar with library resources and routines. They will assist with clerical duties and supervision of the library. Student aides will learn and practice various library skills through hands-on and written assignments. Midterm and final exams are required. It is the student's responsibility to make up any missed assignments. Students must be able to work well with others and have the initiative to follow through with work they are responsible for. Attendance records and grades will be considered before enrollment. Final enrollment will be at the discretion of the Librarian, Counselor, and Administrator.

Office Intern Credit 1/2 (12) Office interns will lend support to the main office in a variety of areas, including reception, answering phones, sorting mail, retrieving students from classrooms, collecting homework, writing passes, and providing other support to office staff. Interested students must fill out an application to be considered. To be eligible, students must also have a good record of attendance as well as a good record of academic achievement. Office interns do not receive credit, therefore, the interested student must not be lacking more than the required credits to graduate at Ulysses High School.

Diversified Occupations No credit (12)—Diversified Occupations help students enter the workforce through career exploration, job search and application, and the development of positive work attitudes and work-related skills. These courses typically cover such topics as career planning and selection, money management, communication skills, interpersonal business relationships and behaviors, and personal responsibility. Specific guidelines must be met in order to qualify for the program. Only offered second semester of the senior year.

Mathematics

Consumer Math Credit 1 (9,10,11) - Consumer Math courses reinforce general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.

Algebra 1 Credit 1 (9,10,11,12) - This course uses the modern approach to mathematics in that the structure and logic of mathematics are stressed. The properties and operations of the real number system are taught and then are applied to practical problems. This course is designed for the average or better than average mathematics students. Practical applications are available for the non-college bound student, and stress is placed on the more theoretical aspects of mathematics for the college bound student.

Algebra 1 Part 1 Credit 1 (9,10, 11) — The first part in a multi-part sequence of Algebra I. This course generally covers the same topics as the first semester of Algebra I, including the study of properties of rational numbers (i.e., number theory), ratio, proportion, and estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first degree equations and inequalities.

Algebra 1 Part 2 Credit 1 (9,10,11) —The second part in a multi-part sequence of Algebra I. This course generally covers the same topics as the second semester of Algebra I, including the study of properties of the real number system and operations, evaluating rational algebraic expressions, solving and graphing first degree equations and inequalities, translating word problems into equations, operations with and factoring of polynomials, and solving simple quadratics.

Geometry Credit 1 (9,10,11,12) Prerequisite: Alg.1—Space geometry is introduced and integrated with plane geometry throughout the course. Language of sets and properties of real numbers are reviewed. Inductive and deductive reasoning are explained and used. Transformations are used extensively to show relationships within and between triangles. Triangle congruence, similarity, and special intersections of parts of triangles are explored. Proofs are integrated throughout the course. Time permitting, probability, arc length, sectors of circles, and lengths of lines and angles formed by intersecting lines in circles are studied.

Algebra 2 Credit 1 (9,10,11,12) Prerequisite: Alg. 1 and Geometry—

Algebra 2 consists of a review of Algebra 1 topics and additional work in algebraic, polynomial, rational, radical and logarithmic functions and their graphs, properties, variations, and roots. Systems of equations demonstrate how the various functions can interact with each other. Some trigonometry, probability, and statistics are introduced, time permitting.

Algebra III 1 credit (10,11 12) Prerequisite: Geometry & Alg 2

This course is the equivalent of an intermediate algebra course at the college level but is not offered for concurrent credit. It is offered for high school credit only and is intended for students who may not meet the necessary requirements to take college algebra after successfully completing algebra 2. The course includes (but not limited to) the following topics: properties and operations of algebraic expressions; linear equations/inequalities; functions/graphs; polynomials/factoring; rational expressions; radicals/complex numbers; quadratic equations/functions; systems of equations/inequalities.

Calculus Credit 1 (12) Prerequisite: Must be currently enrolled or have already successfully College Algebra & Trigonometry—Calculus is the mathematical study of change. Topics to be covered will include (but are not limited to) the following: limits, derivatives & their applications, integrals & their applications, logarithm & exponential functions, and trigonometric functions.

College Algebra Credit 1/2 and 3 hours of College Credit (11, 12) Prerequisites: Alg. 2, Geometry, and an ACT mathematics score of 20+ and/or a successful Compass Test score of 66+ as determined by SCCC. (First Semester class only)—Topics to be studied include (but are not limited to) the following: review of the real number system; polynomials and algebraic expressions; inequalities; absolute values; linear functions, quadratic functions and their graphs; polynomial functions; exponential & logarithmic functions; systems of equations.

Trigonometry Credit 1/2 and 3 hours of College Credit (11,12) Prerequisites: College Algebra. Students must acquire an ACT Math score of 20+ or a COMPASS score of 66+ as determined by SCCC (Second Semester Class only) Topics to be studied include (but are not limited to) the following: definitions of the trigonometric functions; right triangle applications; radian measure; graphs of trigonometric functions; trigonometric identities and equations; inverse trigonometric functions; vectors; complex numbers.

Medical

Medical Terminology Credit 1/2 and 3 hours of College Credit

(11,12) First Semester Class Only– The content of the course focuses on the introduction to medical terminology. Vocabulary is explored to structure of word, prefixes, suffixes and root words. Emphasis is on proper usage, pronunciation, spelling and definition of each of the structures commonly used in the medical field.

Certified Nurses Aid Credit 1/2 and 3 hours college credit (11,12) The Certified

Nursing Assistant Program will present the basics of bedside patient care under the guidelines of the federal and state requirements. Participants who successfully complete the course will meet criteria to sit for the state certification examination. The course includes 60 hours of classroom participation and 40 hours of clinical experience.

Certified Medication Aide Credit 1/2 and 3 hours college credit (11,12) Prerequisite: Passed State Board for C N A. A program that prepares students to administer prescribed medications; observe and report patient reactions and side effects; and perform related emergency and recording duties under the supervision of nurses and/or physicians. Includes instruction in basic anatomy and physiology, common medications and their effects, taking vital signs, oxygen administration, medication administration and application, record-keeping, and patient observation.

Music

Band Credit 1 (9,10,11,12) , Fee: \$8.00—The Tiger Band serves as the main instrumental music ensemble for Ulysses High School. Student leadership opportunities exist that allow for further individual development. During the football season, the Tiger Band serves as the marching band and performs for 4-5 home football games as well as possible marching competitions. Students perform a variety of musical styles and learn marching fundamentals. For the remainder of the year, the Tiger Band provides students with continued instruction on instrumental music performance. The Tiger Band will perform at home basketball games, concerts and will participate in district and state music festivals. Students also have the opportunity to participate in solo and ensemble festivals at the district and state level that will allow them to expand their musical experiences.

Jazz Band Credit 1 (9,10,11,12) Time will be devoted to teaching jazz style, improvisation and jazz theory. The goal of this class is to achieve a high level of playing ability and understanding of jazz style and improvisation. Other styles will be explored including: rock, funk, and latin. *Participation in UHS Band is a requirement. Rare exceptions may be made.*

Varsity Choir Credit 1 (9,10,11,12) - No prerequisite required —The Varsity Choir is a combination of freshmen, sophomores, juniors, and seniors. This class is designed to teach the basics of music through vocal performance. It is a training ground for those who would like to continue on to Concert Choir. This choir is a very important part of the music program at UHS and is expected to strive for the same excellence as the other groups at the high school. This group will be required to perform with and support of the other choirs throughout the semester.

Concert Choir Credit 1 (10,11,12) Prerequisite: Audition, Fee \$8.00—The Concert Choir is a select group of sophomores, juniors, and seniors. Being the most developed and mature choir of the music department, it will be expected that students in this organization will have an extreme dedication to excellence. These expectations will lead to self-motivation of the individual student to utilize his/her musical talents to the utmost. This choir will perform at several community events. Many of these performances will be outside our daily class time so students in this class will need to be prepared and willing to participate.

Physical Education & Health

Physical Education 9 Credit 1/2 (9) Required Course—The first course in physical education explores the five health related fitness components of flexibility, body composition, cardiovascular endurance, muscular endurance and muscular strength. Concepts in these areas will be introduced and tests will be administered throughout the semester in these five areas. The class will also include team and individual activities that enhance lifelong fitness. With each activity, skills, strategies and rules will be introduced as well as awareness to the health benefits the activity provides. An objective of this class is to educate you in a variety of activities to enhance your personal level of fitness.

Health Credit 1/2 (9)—Health instruction provides opportunities to develop knowledge, skills, habits, attitudes and ideals necessary to meet present and future health needs of pupils. The instruction is centered around health problems of the individual and of society and covers major areas in personal health, body systems, mental health, nutrition, leisure time, and infection and resistance. Human Growth and Development Curriculum will be fully implemented during this course. Other areas included are current events, alcohol and drugs, prevention skills, tobacco, first-aid, personality and character, eating disorders and mental health.

Nutrition and Wellness Credit 1/2 (9,10,11,12) —Nutrition and Wellness focus as much on personal health topics (such as nutrition, stress management, drug/alcohol abuse prevention, disease prevention, and first aid). Course objectives include helping students develop healthy lifestyles and coping skills and strategies. Students will take a ServSafe food and kitchen safety course and earn a ServSafe certificate during this class.

Female Weight Training Credit 1/2 (9,10,11,12) - Prerequisite: PE 9 and approval of instructor.—This class is designed for the serious female athlete who can handle strict disciplined procedures. The class will consist of speed, quickness, strength and toughness training. Emphasis will be on weight training.

Fitness & Conditioning Credit 1/2 — This course emphasizes conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness.

Advanced PE Credit 1/2 — This course concentrates on a variety of traditional physical activities that will challenge your physical skills as well as your health related fitness components of flexibility, cardiovascular endurance, muscular endurance, and muscle strength. Volleyball, Basketball, Softball, Soccer, Flag Football, and Tennis to name a few, may be included. Techniques of individual skills and strategies will be introduced with each activity. Friendly competitions will be included. The demonstration of sportsmanship is expected of all students. In addition, the beginning segment of class will focus on the flexibility and cardiovascular conditioning components of fitness. Testing in these areas will also take place throughout the semester to evaluate levels of fitness. All students are required to participate each day and give their best effort with a positive attitude. Dressing out appropriately is mandatory.

Strength & Quickness (St/Qk) Credit 1/2 (9,10,11,12) Prerequisite PE 9- The student will learn the basic techniques of weight lifting and body building. This class is open to any student wishing to improve their strength and quickness.

Weight Training Credit 1/2 (9,10,11,12) - Prerequisite: PE 9 and approval of instructor. - This class is designed for the serious male athlete who can handle strict disciplined procedures. The class will consist of speed, quickness, strength and toughness training.

Science

Earth/Space Science Credit 1 (9,10,11,12) Required Course- This science is a study of earth—it's matter, features, processes, and place in the universe. During the course of the year, areas to be studied will include simple physics and chemistry, geology, meteorology, oceanography, astronomy, and environmental science.

Physical Science Credit 1 (10,11,12) - Physical Science is an introductory course which examines the physical and chemical properties of science. Students in first semester will study the chemical laws of nature which include the structure of atoms, structure and properties of matter and chemical reactions. Numerous laboratory experiments will be performed. In the second semester, students will study the laws of motion and forces, conservation of mass and energy, and the interactions of energy and matter.

Biology Credit 1 (10) - Required for all sophomores. Meets lab requirements. Biology is probably the most fascinating of the natural sciences, as it deals with the study of life itself in its many intricate and wondrous forms, men and microbes, plant and animal life, insects, birds, and fish. The biological sciences are concerned with every phase of the living organism such as evolution, environment, functional structure, classification, disease and death. Biology covers life from the largest, most complex plants and animals to the smallest microscopic cells.

Anatomy & Physiology Credit 1 (11 & 12) - Prerequisite: C or better in Biology—This course is designed to provide students with a basic understanding of the structure and function of the systems

of the human body. This course does not serve as a physical science credit, so all students in this class must have completed or be enrolled in a class that completes that requirement.

Chemistry Credit 1 (11,12) Must have completed or be enrolled in Algebra 2—Chemistry is a systematic study of the chemical properties of materials through a detailed investigation of their energy relationships. Elements are combined to study reactions of the formation of compounds. The mathematics of chemistry is discussed in calculating the amounts of specific quantities formed in chemical reactions. Emphasis is placed on laboratory work, and many concepts are learned through this medium. This class is recommended as college prep for students going into a science related area.

Physics Credit 1 (11,12) Prerequisite: Algebra 1 and 2 and Geometry or Trigonometry—Physics is a course that deals with the relationships between mechanics matter and energy. It deals with such things as motion (How and why objects move as they do), nuclear reactions (How and why do nuclear reactors work, why is radiation dangerous), light and radiant energy (How and why do radio waves carry light and sound), and electricity. In addition, the development of physics throughout history and its effect on man will be examined.

Foundation of Electronics 1/2 Credit (10,11,12)—Foundations of Electronics courses offer instruction in the basic concepts of electronics and electronic components; electrical quantities and units; basic circuits, laws and measurements; circuit components; multiple-load circuits; complex-circuit analysis; magnetism and electromagnetism; alternating current and voltage; power in ac circuits; capacitance; inductance; transformers; R, C, and L circuits; electric motors; instruments and measurements; algebraic, trigonometric, and logarithmic tenets as applied to electronic components, theory of electricity and in the terminology, skills, and safety procedures common to careers involving electricity and electronics. Students will demonstrate acceptable soldering and de-soldering techniques, knowledge of surface mount technology, methods for building circuitry and proper utilization of electronic components such as capacitors, LEDs, and transistors.

Robotics Credit 1/2 (11,12)—Robotics courses develop and expand students' skills and knowledge so that they can design and develop robotic devices. Topics covered in the course may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers.

Principles of Biology Credit 1 (12) (Must meet ACT or Compass requirements) This is a college course with foundation emphasizing human interaction and place within all levels of the biosphere and the scientific process. The course will incorporate six unifying principles: (1) Evolution: Patterns and Products of Change; (2) Interaction and Interdependence; (3) Genetic Continuity and Reproduction; (4) Growth, Development, and Differentiation; (5) Energy, Matter and Organization; and (6) Maintenance of Dynamic Equilibrium. Inquiry-oriented investigations will be used to introduce, explore and expand on concepts discussed in the classroom. Students must meet placement requirements to enroll in this course. Prerequisite; Refer to Placement Matrix.

Social Studies

Geography Credit 1/2 (9,10,11,12) - Geography is a course designed to give the student a general understanding of the physical and political geography of the world today. The course will include a study of climate, topography, maps, the food supply, natural resources and a survey of the various areas of the world.

World History I Credit 1/2 (9,10,11,12) -A survey of World History from the Renaissance up to immediately prior to World War I. This will include a study of Machiavelli as the father of modern politics, as well the Middle Ages, The Scientific Revolution, Latin American Colonialism, the Atlantic Slave Trade, European Industrialization, and Imperialism around the world.

World History II Credit 1/2 (9,10,11,12) - A survey of world history from 1914 to the present. This will include a study of fascism and communism in Europe, the Russian Revolution, and nationalism around the world. Students will also discover the reasons for the Great Depression on a global scale after WWI, the causes of WWI and WWII, and understand the reasons for the Cold War. The modern Challenges in Africa, the Middle East, Latin America, and Asia and the concerns of living in a new century will also be covered.

American History Credit 1 (11) - A survey of American History beginning with the Early 1900's reaching to the present. Included are growth of industry, reform, America as a world power, World War I, the 20's and 30's, World War II, postwar domestic problems, the Korean conflict, Viet Nam, and America's changing role with foreign nations especially China, Russia, and the oil producing countries.

American Government Credit 1 (12) - A survey of the American political system to include the study of the three branches of our federal government, political parties, elections, and civil rights. The survey will also include a unit on our State and Local Governments with the emphasis on citizen responsibilities.

College Sociology Credit 1/2 and 3 hrs. College Credit (11,12) - This course involves the study of society and how humans relate to it. Topics explored include: socialization, culture, crime, deviance, gender, money, power, politics, family, marriage, education, health care, and religion.

College Psychology Credit 1/2 and 3 hrs College Credit (11,12) : To provide a setting for a more in-depth study of the human mind and behavior. To develop a broader understanding of the classical and most recent theories that deal with the human mind and behavior.

College American History Credit 1/2 Dual Credit College Course—

College American History II Credit 1/2 Dual Credit College Course (12)—This course will cover the social, political and economic events that have shaped America from 1877 to the present. This course will survey major events in an interpretative nature to help give insights in understanding the American Nation.

Business Economics 1/2 Credit (10,11,12)

Business Economics courses integrate economic principles (such as free market economy, consumerism, and the role of American government within the economic system) with entrepreneurship/business concepts (such as marketing principles, business law, and risk).

Resource Classes

English Language Learner (ELL Resource)

Credit 1— English as a Second Language instruction is an academic discipline that is designed to teach English Language Learners social and academic language skills as well as the cultural aspects of the English language necessary to succeed in an academic environment and contribute to society. It involves teaching, listening, speaking, reading, and writing appropriate development proficiency levels with little or no use of the native language. ELL program modes include departmentalized, sheltered, intensive, pull-out and push-in in the ELL.

Life/Study Skills Prerequisite: 1) a teacher or parent referral, 2) an evaluation done by an intervention team. These courses are for students who need assistance with study skills, building listening skills, grammar, writing and research, reading comprehension and speed, math skills, and other learning-related activities. IS offers credit courses for those who qualify for these services

Technology Studies

Drafting/CAD 1 & 2 Credit 1 (9,10,11,12) - Fee: \$30.00* — This is the initial course in mechanical drafting. The student will learn to communicate ideas graphically. They will develop an appreciation of good design and workmanship. They will become familiar with Auto CADD, Inventor Pro, and Revit software to make technical drawings. They will develop skills in mechanical drawing, architectural drawing as well as 3D Modeling to master drawing techniques. The student will develop an understanding of vocational opportunities and vocational application in the field of drafting. The students will develop the ability to visualize spatial relationship.

Advanced Drafting/CAD 1 & 2 Credit 1 (10,11,12) Prerequisite: Drafting/CAD I & II, Fee: \$30.00* — This is the first course of Architectural Drafting. Students will learn fundamentals of drawing house plans. They will create Elevations, Plot plans, including interior design. They will design and draw a full set of house plans using Auto CADD and Revit design software. These plans will be used to build a scale model house. A laser will be used to cut the parts to scale for the house model. Students will design and draw full set of house plans using Auto CADD and Revit design software.

Intro to Industrial Technology

Credit 1/2 (9,10,11) Fee: \$15.00* + material costs —Introduction to lumbering, classification and growth of common woods, plywood, and other products of trees. Common wood joints, how to make patterns and layouts, figure board feet, make working drawings, bill of materials and plan of procedure. Shop safety will be taught and practiced daily. Students are to build one required project, and may have additional projects if time permits. Students will be responsible for the cost of the project.

Principles of Woodworking Credit 1 (9,10,11,12) Fee \$12.50 per semester+ material costs — In this year long class, students will explore the cabinetmaking shop and will learn the skills necessary to design and build wooden furniture in an industrial setting. Students will design and build a small project using a combination of simple hand tools, basic woodworking machines, and modern CNC equipment. There will be one required pre-designed project, followed by a group project that is class designed. Career and personal skills will be taught and used daily.

Furniture & Cabinetry Fabrication Credit 1 (11,12) Fee \$12.50 per semester +material cost each semester Prerequisite: Woodworking Principles & Drafting/CAD A & B — An advanced woodworking class, Furniture and Cabinetry Fabrication gives the student more freedom when designing and building a woodworking project. Custom designed projects must meet criteria that is provided by the instructor. Class is year long.

Carpentry Credit 1 (11,12) Prerequisite: Drafting/CAD A & B, Advanced Drafting/CAD A & B — In this year long class, students will learn about light residential structures and how they are built. We will explore foundations, wall sections, and roof types among other structure categories. Students will design and build small storage sheds to gain construction experience. Students in this class will make buildings, NOT furniture.

Carpentry 2 Credit 1 (12) Prerequisite: Carpentry, Drafting/CAD A&B, Advanced Drafting/CAD A&B — In this year long class, students will team up with area sub-contractors and will build a house. Students enrolled in this class will be required to work a certain amount of time outside of school hours (3 hours a month, mainly on weekends).

Introduction to Transportation Credit 1/2 (9,10,11,12) This course gives students an overview of transportation industry skills and career opportunities, as well as the education required to acquire each career. *Prerequisite to all Auto classes.*

Small Gas Engines & Powertrains Credit 1 (9,10,11,12) Fees \$15 per semester (should not be taken at the same time as Brakes and Steering & Suspension) A comprehensive, technical level course designed to instruct students in the knowledge and skills common to all small engine operations and repair. Students will bring in cars of their own as well working on cars from the public, and school displays. Class will be operated much like an automotive shop with an emphasis placed on work and work ethics.

Brakes/Advanced Brakes Credit 1/2 (9,10,11,12) Fee: \$30.00 A Comprehensive, technical and application level course designed to provide students with the basic theories, equipment, and skills needed to inspect and service braking systems to industry standards. Students will bring in cars of their own as well as working on cars from the public, and school displays. Class will be operated much like an automotive shop with an emphasis placed on work and work ethics.

Steering & Suspension/Advanced Steering & Suspension Credit 1/2 (10,11,12) Fee: \$30.00 — Prerequisite: Brakes/Advanced Brakes. A comprehensive, technical and application level course designed to provide students with the basic theories and advanced skills needed to inspect, service, and repair steering and suspension systems. Students will bring cars of their own as well as working on cars from the public, and school displays. Class will be operated much like an automotive shop with emphasis placed on work and work ethics.

Intro to Machine Shop Credit 1/2 Dual Credit College Class (10,11,12) Fee: \$20.00*

Prerequisite: Drafting/CAD 1—A basic study of metal working machines such as lathes, mills, drills, grinders, and computer numerical-control mill. Students will be required to use precision tools, learn machine safety, and manufacture at least one required project.

Advanced Machine Shop Credit 1/2 (10,11,12) Dual Credit College Class Prerequisite: Intro to Machine Shop, Fee: \$20.00* —An advanced study of machine shop procedure and continued development of machine shop skills. Students will have a chance to design a project of their own, as well receive an in-depth study in computer numerical control machinery.

Production Welding Processes 1 Credit 1 (9,10,11,12) Fee \$25 — A comprehensive course designed to provide students with knowledge and skills in basic welding theories and terminology, to perform Oxy-fuel and Arc Welding activities in the F & H positions, and to perform Non-destructive testing activities. Sheet-metal work, foundry, cold and hot metal working are the trunks to several branches of study. Project emphasis is on hand tool and machine skills. Reading, Reasoning and the ability to follow instruction will be enhanced by the course. Students will take home useful keepsakes.
* Instructor signature required for seniors.

Production Welding Processes 2 Credit 1 (10,11,12) Prerequisite: Production Welding Processes 1 & Drafting/CAD 1 & 2, Fees \$25 + Material costs— An application level course designed to instruct students in the knowledge and skills needed for solving fabrication problems, to weld joints in the V & OH positions, and perform Plasma cutting. Students will create and design their own metal project.

Manufacturing Processes Credit 1 (11,12) Prerequisite: Drafting/CAD, Production Welding Processes 1 or Principles of Woodworkig. Fees \$25 —Manufacturing—Comprehensive courses introduce students to the various methods used to process and transform materials. Processing techniques covered usually include casting, forming, separating, assembling, and finishing. The courses may also include an overview of management techniques in planning, organizing, and controlling various segments of the manufacturing process, including design, engineering, production, and marketing.

Research & Design for Manufacturing Credit 1 (11,12) (Prerequisite: Manufacturing Processes) This course provides students with work experience in fields involving manufacturing, supported by classroom attendance and discussion. Goals are typically set cooperatively by the student, teacher and employer (although students are not necessarily paid). This course may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

College Registration

Procedures for Enrolling in College Courses

Students are encouraged to challenge themselves academically by enrolling in college classes. The following procedures will be observed:

Student indicates which class they are interested in taking by reviewing hand book and supplemental college enrollment sheet prepared by the counseling office.

Student gets approval form and enrolls through the counseling office.

Student needs to be sure all financial obligations to colleges have been paid from prior semesters. Colleges will not allow students to enroll who have unpaid balances.

Student needs to make sure they meet ACT requirements for college classes. Compass tests may be administered for students who don't meet ACT requirements.

Student needs to ask if courses offer free tuition (as is the case with SB 155 courses) or if tuition must be paid out of pocket. Students are responsible for books.

Student should be aware of credit limits which may push them into sophomore standing at a college and may affect scholarship applications.

Students must take courses which equal the duration of the semester. 8 week classes will only be allowed if the student enrolls in a combination of two 8 week classes totaling the duration of the semester.

After getting approval from the counseling office to enroll in college courses, the student will need to take the signed UHS approval form and apply for the class through the local college offering the course. This procedure varies depending on the class being offered. In general, however, Seward County classes are enrolled through the SCCC Outreach Coordinator, and Colby classes are enrolled through the counselor. *Students will not be allowed to enroll in a college course without prior approval from the counselor.

Dropping college courses – once enrolled – is not allowed unless extenuating circumstances arise. UHS deadlines will apply here (first week after the start of each semester) regardless of college enrollment/withdrawal deadlines. Students in dual credit courses, such as Comp I and II and College Algebra, will still be able to stay in the class and receive high school credit but may elect to withdraw from the college portion of the class according to college withdrawal deadlines.

College Courses Offered

English Comp I—(12) ACT Reading score of 18+ or Compass 70+

English Comp II— (12) ACT Reading score of 18+ or Compass 70+

College Algebra—(11,12) ACT Math score of 20+ or Compass 66+

Trigonometry—(11,12) ACT Math score of 20+ or Compass 66+

College Sociology—(11,12)

College Psychology—(11,12)

College American History— (12)

College American History II—(12)

Business Management—(10,11,12)

C N A— (10,11,12)

Medical Terminology—(10,11,12)

Principles of Biology—(11,12) Passed High School Biology

Public Speaking—(10,11,12)

Creative Writing—(10,11,12)

Animal Science- (10,11,12)

Beef Production-(10,11,12)

Wind Energy and Solar Power-(10,11,12) There will be different classes offered at different times.