

# **COURSE DESCRIPTIONS**

**2021 -2022**

(Revised December 5, 2020)

This curriculum description booklet has been prepared to assist students and parents in planning high school courses and schedules. All courses offered at United High School are included in this booklet, along with prerequisites, credit given in each course, whether the course is elective or required, the year the course is offered and may be taken, and a description of each course.

### **Requirements for High School Graduation**

Students must complete 22 credits and complete the following course requirements.

English – 4 credits

Mathematics -3 credits- including Informal Geometry or Geometry

Science -3 credits for the class of 2019 and beyond

Social Studies -3 credits, 1 credit must be U. S. History

Physical Education - 4 credits

Driver Education - 1/2 credit

Consumer Education - 1/2 credit

Health Education - 1/2 credit

1 credit chosen from music, art, foreign languages, or vocational education

### **COLLEGE-BOUND STUDENTS**

Students planning to enter college after graduation must take into consideration several factors. There are many more students enrolling in colleges now and space in these colleges is somewhat limited. It is necessary for students to apply for admission early in the fall of their senior year.

Most of the colleges in Illinois require the American College Test Examination (ACT) or Scholastic Aptitude Test (SAT) as part of the requirement for admission. These tests are administered by independent organizations numerous times during the year. It must be taken as a junior in order to qualify for scholarship programs in Illinois.

Some of the private colleges require the Scholastic Aptitude Test (SAT) for admission. This test is administered by an independent testing organization and is given six times during the year.

College entrance requirements vary from school to school. Recent congressional mandates for admission to state universities are four years of English; three years of math including Algebra I, Geometry, and Algebra II; three years of lab science (Ag Science is not considered a lab science); three years of social studies; and two years of foreign language, music or art. Some schools require two years of foreign language. It is best to decide upon a school early and learn immediately the specific requirements of that school. Many colleges (especially the state schools) will not accept any student who does not rank in the upper half of his/her class. Test scores and rank in class are the two most important criteria for college admission.

**2021-2022 UNITED HIGH SCHOOL COURSE OFFERINGS**

<u>Dept.</u>	<u>Course</u>	<u>Unit of Credit</u>	<u>Recommended for</u>
<u>AGRICULTURE:</u>			
	Intro to Agriculture Industry	1	freshman-sophomore
	Ag Science	1	sophomore-senior
	**Ag Mechanization & Tech	1	sophomore-senior
	**Ag Construction	1	sophomore-senior
	Ag Business Mgt	1	sophomore-senior
	**Ag Environmental Science	1	sophomore-senior
	**Veterinary Technology	1	junior-senior
	Food Science Technology	1	junior-senior
	Horticultural Production and Management	1	junior-senior
	Ag Leadership & Pers. Dev.	1	senior
** Offered alternating years			
<u>ART:</u>			
	Art I	1	freshman
	Art II	1	sophomore
	Art III	1	junior
	Art IV	1	senior
<u>BUSINESS:</u>			
	Survey of Technology	1	freshman-senior
	Computer Applications	1	freshman-senior
	Computer Programming	1	sophomore-senior
	Audio-Visual 1	1	freshman- senior
	Audio-Visual 2	1	sophomore-senior
	Photography	1	junior-senior
	Journalism/Yearbook I, II	1	junior- senior
	+Consumer Economics	½	junior- senior
+ One semester course			
<u>ENGLISH:</u>			
	English 1	1	freshman
	FNDNS of Eng. 1 only)	1	freshman (teacher recommendation
	English 2	1	sophomore
	FNDNS of Eng. 2 only)	1	sophomore (teacher recommendation
	English 3	1	junior
	FNDNS of Eng. 3	1	junior (teacher recommendation only)

<u>Dept.</u>	<u>Course</u>	<u>Unit of Credit</u>	<u>Recommended for</u>
<u>ENGLISH CONT.</u>			
	Applied English	1	junior- senior
	AP English	1	senior
	Public Speaking	½	junior-senior
	Page-to-Screen	½	junior-senior
<u>FOREIGN LANGUAGE:</u>			
	Spanish I	1	freshman
	Spanish II	1	sophomore
	Spanish III	1	junior
	Spanish IV	1	senior
<u>HEALTH/DRIVER ED/PHYS. ED:</u>			
	+Driver Education (by birth date)	½	freshman- sophomore
	+Health Education	½	freshman- sophomore
	*Physical Education	1	freshman-senior
+ One semester course			* may be taken for one semester
<u>INDUSTRIAL ARTS:</u>			
	Introduction to Technology	1	freshman-senior
	Drafting	1	sophomore-senior
	Woodworking	1	sophomore-senior
	Construction	2	junior- senior
<u>MATHEMATICS:</u>			
	Pre-Algebra	1	freshman-sophomore
	Algebra I	1	freshman- sophomore
	Informal Geometry	1	sophomore-senior
	Geometry	1	sophomore-senior
	Algebra II	1	sophomore- senior
	FNDNS of Algebra II	1	junior- senior
	Pre-Calculus	1	junior- senior
	AP Calculus	1	senior
	Transitional Math	1	senior
<u>MUSIC:</u>			
	Band	½	freshman-senior
	Chorus	½	freshman-senior

<u>Dept.</u>	<u>Course</u>	<u>Unit of Credit</u>	<u>Recommended for</u>
<b><u>SCIENCE:</u></b>			
	Biology I	1	freshman- sophomore
	FNDNS of Biology	1	freshman- sophomore
	Biology II	1	sophomore-senior
	Chemistry I	1	sophomore- senior
	Chemistry II	1	junior- senior
	Human Anatomy and Physiology	½	junior- senior
	Dynamics of the Universe	½	sophomore- senior
	Physical Science	1	sophomore-senior
<b><u>SOCIAL STUDIES:</u></b>			
	+Civic	½	freshman
	+Government	½	freshman
	World History	1	sophomore-senior
	+United States History I, II, III, IV	½	sophomore- senior
	AP History	1	senior
	+Psychology	½	junior-senior (Dual credit- CSC- Tuition is due to CSC)
	+One semester course		

### **AGRICULTURE BUSINESS AND MANAGEMENT**

**Introduction to the Agricultural Industry -18001A001):** This course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, and agricultural mechanics, will be presented. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

For those who are interested in shop work, you will have the opportunity to work with a variety of interesting woodworking and welding projects. Each year we go on a field trip to a farm show whether it is the Farm Progress Show or the Peoria Farm Show. In addition, we have a fine FFA program which allows you to work and meet many people in the surrounding area as well as all over the state. We participate in many contests such as livestock evaluation, agricultural mechanics, public speaking, and parliamentary procedure to name a few. Our agriculture program has something of interest for everyone as new jobs are opening up in biotechnology, marketing, and computers. One out of four jobs nationally requires agricultural skills, so this class is a very important class for you to take. For those who are interested in college, our program is a basic background to the community colleges and 4-year colleges, and will provide you with classes you will need for an agricultural career.

Level 9-10

Elective 2 Sem.

Credit 1

**Basic Agricultural Science- 18003A001:** This course builds on basic skills and knowledge gained in the Introduction to the Agricultural Industry course. Major units of instruction include agricultural research, soil science, advanced plant science, biotechnology, and advanced animal science. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

(Successful completion of this course will fulfill a credit of science which is needed for graduation.)

Level: 10-12

Elective: 2 Sem.

Credit 1

**Agricultural Mechanics and Technology- 18402A001:** This course will concentrate on expanding a student's knowledge and experiences with agricultural mechanics technologies utilized in the agricultural industry. Units of instruction included are: design, construction, fabrication, maintenance, welding, electricity/electronics, internal combustion engines, hydraulics, and employability skills. Careers of agricultural construction engineer, electrician, plumber, welder, equipment designer, parts manager, safety inspector, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Level: 10-11-12

Elective: 2 Sem. **Alternating Years**

Credit 1

**Agricultural Construction and Technology- 18403A001:** This advanced course focuses on the knowledge, hands-on skills, and workplace skills applicable to construction in the agricultural industry. Major units of instruction include: personal safety, hand tools, power tools, blueprint reading, surveying, construction skills in carpentry, plumbing, electricity, concrete, block laying, drywall and painting. Careers such as agricultural engineers, carpenter, plumber, electrician, concrete and block layers, finishers, safety specialists, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Level: 10-11-12

Elective: 2 Sem. **Alternating Years**

Credit 1

**Agricultural Business Management- 18201A001 (Can be used to fulfill the Consumer Education requirement--must be taken for 2 semesters):** This course will provide students with the basic knowledge and skills necessary to manage personal finances and develop into a successful entrepreneur and/or businessperson. Instructional units include: business ownership types, starting an agribusiness, managing and operating an agribusiness, financing an agribusiness, managing personal finances, record keeping and financial management of agribusiness, local, state, and federal taxes, agricultural law, and developing employability skills. Student skills will be enhanced in math, reading comprehension, and writing through agribusiness applications. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Level: 10-11-12

Elective: 2 Sem.

Credit 1

**Agricultural Environmental Science- 18504A001:** This course examines the relationship of agriculture and the environment. The impact of plant and animal production practices on the environment and the adoption of practices leading to improved air, land, and water quality are investigated. Areas of emphasis include: types of ecosystems, management of waste, chemical use, soil conservation, land uses and regulations, and water and air quality. Encouraging students to be conscious and concerned about the environment and recognizing the need to conserve the environment and its resources will be a theme throughout. Careers of environmental technicians, soil and water conservationists, monitoring field technicians, land surveyor, and related occupations will be examined. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Level: 10-11-12

Elective: 2 Sem. **Alternating Years**

Credit 1

**Agricultural Communications/ Agriculture Leadership and Personal Development (ALPD)-18203A002:**

Students will analyze current agricultural issues and determine how they affect people on all sides of the issue. The students then learn to and enhance their written and oral communication skills by presenting their views and opinions to the class. Students learn how to arrange and present debates, speeches, and interviews to be effective leaders in today's society. This course is also designed to provide students with the knowledge and leadership experiences to help them to become successful in life and in the workplace. Students will further enhance their potential for leadership development, personal growth, and career success. Topics may include workplace skills, effective communication, decision-making, problem-solving, leadership styles and qualities, and successful execution of team work or collaborative activities. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Level: 12

Elective: 2 Sem.

Credit 1

**Food Science Technology-18305A001:** This course provides learning experiences in food science and safety which allow students to apply scientific knowledge and processes to practices used in the development and preservation of food products. Issues of food science and safety are examined from a scientific and technological perspective. Students critically analyze information to evaluate and draw conclusions on the appropriate use of technology to implement food science and safety practices. Units of instruction include: principles of food preservation, food processing, biochemistry of foods, and food selection and consumer health. Careers to be examined include meat inspector, quality control technician, food processor, and sanitation supervisor. Students will use scientific and technological information about food science and safety as a part of developing career plans and personal viewpoints on societal issues concerning the development and preservation of food products. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Level: 11-12

Elective: 1 semester

Credit 1

**Horticultural Production and Management-18051A001:** This course offers instruction in both the greenhouse production and landscape areas of horticulture. Units of study include plant identification, greenhouse management, growing greenhouse crops, landscape design, installation, and maintenance, horticulture mechanics, nursery management, and turf production. Agribusiness units will cover operating a horticultural business, pricing work, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Level: 11-12

Elective: 2 semesters

Credit 1

**Veterinary Technology-18105A001:** This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Level: 11-12

Elective: 2 semesters

Credit 1

## ART

**Art I- 05155A000:** This 2 semester course includes opportunities to learn basic skills in drawing, design, painting, sculpture, and ceramics. The course focuses on the Elements of Design, artists and art history from Realism, to Pop Art, to Modernism and more. This course will expose students to researching artists, art history, artworks, and compositions. Opportunities to display artwork in art shows are available through this course. Art I is a prerequisite for Art II and a C average must be maintained in order to take Art II.

Level: 9-12

Elective: 2 Sem.

Credit 1

**Art II- 05155A000 :** This two semester course provides more opportunities to work in the following areas: drawing, painting, sculpture, and ceramics, with a focus on the Principles of Design. Students will have the opportunity to participate in critiques, art shows, and create artist statements. Students are encouraged to delve deeper into themselves as an artist and begin developing their own art style. Art II is a prerequisite for Art III and Art IV and a C average must be maintained in order to enroll in those classes.

Level: 10-12

Elective: 2 Sem.

Prerequisite Art I

Credit 1

**Art III – IV- 05155A000:** 1 Credit each. This 2 semester course allows the student to work independently in their style using 2D or 3D mediums of their choice. A minimum of 3 projects is required per quarter. Students will be required to write an artist statement and participate in an art show. All 2D projects must be 12×18 inches or larger in order to be considered a final project. Exposure to college and career possibilities available to those with an interest will be encouraged.

Level 11-12

Elective: 2 Sem.

Prerequisite Art II

Credit 1

## BUSINESS

### **Web Page and Interactive Media Development I/Survey of Technology- 10201A001:**

Web Page and Interactive Media Development I is a skill-level course designed to prepare students to plan, design, create, and maintain web pages and sites. Students will learn the fundamentals of web page design using HTML, HTML editors, and graphic editors as well as programming tools such as JavaScript. Students will work in a project-based environment to create a working website. Students will learn to create pages, add hyperlinks, make tables and frames, create forms, integrate images, and set styles. Students will use image-editing programs to manipulate scanned images, computer graphics, and original artwork. Instruction will include creating graphical headers, interactive menus and buttons, and visually appealing backgrounds. Students will use hardware and software to capture, edit, create, and compress audio and video clips.

Level: 9-12

Elective: 2 Sem.

Credit 1



**Computer Concepts and Software Applications- 10004A001:** Computer Concepts and Software Applications is an orientation-level course designed to develop awareness and understanding of application software and equipment used by employees to perform tasks in business, marketing and management. Students will apply problem-solving skills to hands-on, real-life situations using a variety of software applications, such as word processing, spreadsheets, database management, presentation software, and desktop publishing. Students will explore topics related to computer concepts, operating systems, telecommunications and emerging technologies. The development of employability skills, as well as transition skills, will be included in the course as well as an understanding of the ethical considerations that arise in using information processing equipment and gaining access to available databases.

Level: 9-12

Elective: 2 Sem.

Credit 1

**Computer Programming- 10152A000:** This course provides students with a solid foundation in programming, using the BASIC and HTML programming languages. Students are taught to use HTML related to forms, tables and frames for use in writing web pages. Students are taught programming commands in BASIC to prepare documents using strings, arrays, graphics, sequential data files and random data files. Students taking this course should be very comfortable with Algebraic concepts. Programming languages require reasoning and problem solving skills. They also require the use of logical and relational operators to create clear, effective and efficient computer programs.

Level: 10-12

Elective 2 Sem.

**Prerequisite Algebra I**

Credit 1

**Audio/Video Production 1-11051A001:** This course is designed to provide students with the skills needed for a career in the technical aspects of radio and television broadcasting. Instruction includes camera operations, basic audio and video editing, sound and lighting techniques, and sound mixing. Students learn the operation, maintenance, and repair of video and DVD recording equipment, video/digital cameras, microphones, computers, lighting/grip equipment, and other production equipment used in video and audio production of television programs. Students also learn to use, maintain, and repair various types of audio recorders, amplifiers, transmitters, receivers, microphones, and sound mixers to record and broadcast radio programs.

Level: 9-12

Elective: 2 Sem.

Credit 1

**Audio-Visual 2-11051A002:** The students will be exposed to the techniques and equipment necessary to produce videos for PBS. Specific goals will be the production of the PBS videos with emphasis placed on becoming proficient in sound editing, video, teleprompter, and camera use. Various other school wide projects will be produced and edited using Adobe Premier. Students will be working directly with Student Reporting Labs in Washington, DC and will have the responsibility of covering area events for both the UHS Newsroom and PBS Newshour.

Level: 10-12

Elective: 2 Sem. **Prerequisite: C or better in Audio-Visual 1**

Credit 1

**Commercial Photography 1- 11052A001:** This course provides students with experiences related to the photography field including conventional and digital cameras. Planned experiences give students a clear and concise introduction in the following areas: safety and proper housekeeping of the photo studio, photography of visual and communicative discipline, constructing a usable cardboard camera and developing printing, learning basic terms, understanding how film/paperwork, proper exposure, working in the darkroom and knowing all necessary darkroom activities, safe use of photo chemicals, using dyes, and mounting and matting a completed photographic image. In addition, students are introduced to photographic terms, using light meters to measure natural and artificial lighting, using various lighting sources, manipulating basic backgrounds with different light sources, conducting shop operations, performing camera work, processing film and performing darkroom work on black and white and color film, printing photographic images, purchasing equipment and supplies, and the selection and use of cameras, film, lenses, accessories, tripods and filters.

Level: 9-12

Elective: 2 sem.

Credit 1

**Information Processing 1 /Journalism/Yearbook I, II- 1005A001:** Information Processing 1 is a skill-level course that includes the concepts and terminology related to the people, equipment, and procedures of information processing as well as skill development in the use of information processing equipment. Students will operate computer equipment to prepare memos, letters, reports, and forms. Students will create rough drafts, correct copy, process incoming and outgoing telephone calls and mail, and transmit and receive messages electronically. Students will create, input, and update databases and spreadsheets. Students will create data directories; copy, rename, move, and delete files, and perform backup procedures. In addition, students will prepare files to merge, as well as create mailing labels and envelopes from merge files. Students will learn to locate and retrieve information from hard copy and electronic sources, and prepare masters for a presentation using presentation software. Students will apply proper grammar, punctuation, spelling and proofreading practices. Accuracy will be emphasized. Workplace skills as well as communication skills (thinking, listening, composing, revising, editing, and speaking) will be taught and integrated throughout this course.

This challenging course is designed to teach the techniques of story development, newspaper and yearbook copy writing, ad marketing, sales, layout, graphic design, photography, and interviewing. Students will be responsible for the production of the monthly online school newspaper, *The Storm Tracker*, and the annual school yearbook, *Impressions*. Students will be expected to devote a substantial amount of out-of-class time taking photos and acting as reporters at school sporting events, meetings, and activities.

Level: 11-12                      Elective: 2 Sem. **Prerequisite Approval of Teacher(s), English 3, and a B or higher in English**                      Credit 1

**Consumer Economics- 12007A001: Required semester course-** A graduation requirement, the students will be exposed to units of study that include: insurance, credit, money management, banking, budgeting, savings, investing, career choices, taxes, nutrition facts, and car shopping. The goal is to help the student become a better and wiser consumer.

Level: 10-12                      Required: 1 Sem.                      Credit ½

## ENGLISH

**English 1- 01001A000:** English 1 is the first course in the college-preparatory English sequence. This course is reading, writing, and technology intensive: significant time is spent on vocabulary development and grammar review, particularly in the context of student writing. Students are introduced to elements of the Modern Language Association (MLA) Formatting and Style Guide.

Level: 9                              Required: 2 Sem.                      Credit 1

**FNDNS of English 1- 0101A000:** English 1 is the first course in the college-preparatory English sequence. This course is reading, writing, and technology intensive: significant time is spent on vocabulary development and grammar review particularly in the context of student writing. Students are introduced to elements of the Modern Language Association (MLA) Formatting and Style Guide.

Level: 9                              Required: 2 Sem. (By teacher recommendation only)                      Credit 1

**English 2- 01002A000:** English 2 is the second course in the college-preparatory English sequence, building on English 1. This course is reading, writing, and technology intensive; significant time is spent on vocabulary development and grammar review, particularly in the context of student writing. Students review and use the Modern language Association (MLA) Formatting and Style Guide

Level: 10                              Required: 2 Sem. **Prerequisite English 1**                      Credit 1

**FNDNS of English 2- 01002A000:** English 2 is the second course in the college-preparatory English sequence, building on English 1. This course is reading, writing, and technology intensive; significant time is spent on vocabulary development and grammar review, particularly in the context of student writing. Students review and use the Modern Language Association (MLA) Formatting and Style Guide

Level: 10      Required: 2 Sem. Prerequisite English 1 (By teacher recommendation only)      Credit 1

**English 3- 01003A000:** English 3 is the third course in the college-preparatory sequence. This course is reading, writing, and technology intensive. Vocabulary acquisition and use, grammatical proficiency, and higher order critical thinking skills are emphasized, particularly in the context of student writing. Students use the Modern Language Association (MLA) Formatting and Style Guide to publish their writing.

Level: 11      Required: 2 Sem. **Prerequisite English 1 and 2**      Credit 1

**FNDNS of English 3- 01003A000:** English 3 is the third course in the college-preparatory sequence. This course is reading, writing, and technology intensive. Vocabulary acquisition and use, grammatical proficiency, and higher order critical thinking skills are emphasized, particularly in the context of student writing. Students use the Modern Language Association (MLA) Formatting and Style Guide to publish their writing.

Level: 11      Required: 2 Sem. **Prerequisite: English 1 and 2** (By teacher recommendation only)      Credit 1

**Applied English- 01156A000:** This year-long course teaches students “real world” skills involving reading, writing, listening, and speaking. The content will focus on practical applications of these skills to assist students preparing for the workplace and other post-high school environments. Assessments include the design and use of business letters, resumes, interview preparation, email etiquette, etc. The purpose of the course is to provide students with a baseline of practical English and communication tools for success, rather than emphasize language arts skills as applied to scholarly and literary materials.

Level- 11-12      Elective: 2 Sem. **Prerequisite: English 1 and 2 (or FNDS 1 and 2). Must have either passed or be currently enrolled in English 3 (or FNDS of English 3).**      Credit: 1

**Advanced Placement (AP) English Literature and Composition- 01006A000:** This rigorous one-year course engages students in the careful reading and critical analysis of imaginative literature (novels, short stories, poetry, and drama). The course is reading and writing intensive, and it culminates in a three-hour international exam administered each spring. Individual test scores and institutional policy determine eligibility for university credit.

Level: 12      Elective: 2 Sem. **Prerequisite: English 1, 2, and 3**      Credit 1

**Public Speaking (Fall 2021) - 01151A000** This class will be an introduction to the basic principles of oral communication as applied to public speaking. It will emphasize the mastery of oral communication skills through a variety of exercises in which the student speaks before the group and involves analysis of such topics as preparation, organization, and delivery. Students should expect to deliver a minimum of 4 formal speeches during the semester.

Level- 11-12      Elective: 1 Sem.      Credit: ½

**Page-to-Screen (Spring 2022)- 01061A000** This class will be an examination of cinematic adaptations of literary works across genres (poetry, short stories, and novels) and different literary periods (classics to contemporary works). It will examine the ways adaptations retain and / or change elements of the original text, why those decisions were made, and the effect of those decisions. Students should expect to write critical and analytical essays over texts and deliver presentations.

Level- 11-12

Elective: 1 Sem.

Credit: ½

## **FOREIGN LANGUAGE**

The primary reason that Spanish is offered at United is the tremendous prevalence of other cultures within our global society. The study of Spanish, however, offers more than just the opportunity to learn to speak the language. The study of the language also opens doors for better understanding of the people and their respective cultures from the Spanish-speaking world. Learning a world language helps to develop and strengthen the four essential skills of listening, speaking, reading and writing.

**Spanish I- 06101A000:** This introductory course is designed for students with little or no previous study of Spanish. This course teaches basic language patterns and useful, real life vocabulary. Culture is an integral part of the course and is introduced through the use of media, demonstrations and class discussions. Cultural focus is on Spanish in the United States, Mexico and the Caribbean. In addition, to written tests and quizzes, students may also be assessed by means of aural and oral activities.

Level: 9-12

Elective: 2 Sem.

Credit 1

**Spanish II- 06102A000:** This course builds upon the foundational content developed in Spanish 1. Vocabulary and grammatical aspects expand to new categories of real life applications and understanding. The contemporary, cultural focus turns to those Spanish-speaking countries in South America.

**Prerequisite:** Successful completion of Spanish 1 with a grade of C or higher OR prior approval from the Spanish Teacher.

Level: 10-12

Elective: 2 Sem.

Credit 1

**Spanish III- 06103A000:** This upper-level course has been developed to help students to further grow their language acquisition in Spanish through the study of language structures in cultural and historical contexts. Students will be engaged in an expanded study of language structures and vocabulary through reading, listening, speaking, and writing activities. Aspects of contemporary culture will focus on the diverse country of Spain. This course culminates with the reading of a novel in the target language.

**Prerequisite:** Successful completion of Spanish II with a grade of C or higher OR prior approval from the Spanish Teacher  
Level: 11-12

Elective: 2 Sem.

Credit 1

**Spanish IV- 06104A000:** This upper-level course provides students the opportunity to further develop, improve and refine their listening, speaking, reading, and writing skills. Emphasis continues to be placed on aural skills with additional emphasis on reading and writing in the target language. Students experience multiple opportunities to demonstrate their proficiency in Spanish in different contexts. Additional aspects of contemporary culture from the entire Spanish-speaking world are emphasized through cultural readings, media, and class discussions. This course culminates with the reading of a novel from Spain in the target language.

**Prerequisite:** Successful completion of Spanish III with a grade of C or higher OR prior approval from the Spanish Teacher.

Level: 12

Elective: 2 Sem.

Credit: 1





**Geometry- 02072A000:** Geometry is the second course in the study of higher mathematics. Geometry is the study of figures in a plane and in space. This course is comprised of properties and characteristics of plane geometric figures, applications of geometry in everyday situations, integrations of geometry & algebra skills, and proofs. The student is taught the steps of logical reasoning through the use of the triangle, square, rectangle, circle, parallelogram, and many other figures. The key points of solid geometry are introduced. Reasoning is the prime importance of this subject. Many colleges require geometry as well as algebra for admission.

Level: 10-12                      Required: 2 Sem. **Prerequisite: Algebra I**                      Credit 1

**Algebra II- 02056A000:** Algebra II is a continuation of Algebra I. It delves deeper into the solution of linear equations, systems of equations, quadratic equations, radicals, verbal problems, ratio and proportion, variations, and trigonometry. The student is also introduced to complex numbers, sequences and series, and rates of change which is a very elementary introduction to calculus. This course is designed for students that are very comfortable with Algebra I concepts and considering Pre-Calculus.

Level: 10-12                      Required: 2 Sem.                      **Prerequisite: Geometry**                      Credit 1

**FNDNS of Algebra II- 02056A000:** Designed for a student that needs additional help with Algebra I concepts and would benefit from a slower pace than Algebra II.

Level: 10-12                      Required: 2 Sem.                      **Prerequisite: Geometry or Informal Geometry**                      Credit 1

**Pre-Calculus- 02110A000:** This is a college preparatory course in mathematics. Those students not planning a college education, but desirous of more mathematical training, will find this to be an excellent terminal course. The content of this course is a more rigorous study of the concepts introduced in the previous mathematics courses. Key topics to be investigated are: real and complex numbers, functions, trigonometry, analytical geometry, mathematical induction, mathematical structures, vectors, derivatives and integrals.

Level: 11-12                      Elective: 2 Sem.                      **Prerequisite: Algebra II**                      Credit 1

**Transitional Math- 02201A001:** (Quantitative Literacy & Statistics Pathway)

This course is for seniors who have successfully completed three years of math. This course will emphasize the mathematics in a variety of fields of work and other work-related skills, including but not limited to personal finance, using statistics in everyday life, using mathematical ideas in everyday living, making decisions using math, and business math. Students will also have the opportunity to review skills and strategies associated with standardized test taking (such as SAT, Accuplacer, etc.) Each unit will contain a project. Passing this course with a C or above will allow students to sign up for MAT 109 or MAT 110 at Carl Sandburg College without taking the Accuplacer or taking a remedial math class at CSC (and similarly at other junior colleges).

Level 12                      Elective: 2 sem.                      **Prerequisite: 3 years of Math**                      Credit 1

**AP Calculus – AB- 02124A000:** This course includes derivatives and integrals of function, of products & quotients, composite and implicit functions and applications of derivatives & integrals. Limits & continuity, evaluating definite integrals and integration by substitution and parts are also covered with graphing, numerical, analytical and verbal/written communication emphasized.

Level 12                      Elective: 2 Sem.                      **Prerequisite: Pre-Calculus & Teacher Recommendation**                      Credit 1

## MUSIC

**Band- 05101A000:** Concert Band is offered to all students with previous experience on a traditional band instrument. Beginning students are welcome with permission of the instructor. This course will provide a large ensemble setting for students who wish to continue to develop both their own instrumental skill and that of an ensemble member. Students will continue to examine progressively more complex aspects of music literacy and music notation, with emphasis on performing with musical artistry and expression as members of an ensemble. Students will use critical thinking skills to examine and describe musical pieces. Students will gain further understandings related to the relationships between music, the other arts disciplines, and the other academic disciplines. Students will also be challenged to understand music in relationship to the history and culture of our 21<sup>st</sup> Century society, preparing them to interact with today's ever changing global society from a different view than traditional subjects.

In addition to Concert Band, students participate in marching band activities for home football games, pep band for select home basketball games, and Memorial Day ceremonies. Student involvement in concert and performance activities will be part of the grading process for this course. A required, marching band camp will be held in August. Students may choose to participate in or audition for events such as the Lincoln Trail Conference Festival Band, ILMEA Honors Band, jazz band, chamber ensembles, and solo and ensemble contest.

Level: 9-12

Elective: 2 Sem.

Credit ½

**Chorus- 05110A000:** This is a year- long course that explores choral music from a wide variety of cultures and time periods through study and performance. The core curriculum emphasizes the basics of vocal technique, sight-reading, music theory, and music history. Students in chorus are expected to participate in three concerts during the school year, as well as the Lincoln Trail Conference Choral Festival in the fall.

Level: 9-12

Elective: 2 Sem.

Credit ½

## SCIENCE

**Biology I- 03051A000 :** Biology is the study of living things. Emphasis is given to general biological principles and concepts. This is a first year introductory course about the natural world, including the following topics: structure and function of living things, matter and energy in organisms and ecosystems, relationships in ecosystems, genetics, natural selection, and evolution. The course includes labs, activities, and projects.

Level: 9-10

Required: 2 Sem.

Credit 1

**FNDNS of Biology- 03051A000:** Foundations of Biology will cover the same topics as Biology with more teacher involvement.

Level: 9-10

Required: 2 Sem. (By teacher recommendation)

Credit 1

**Biology II- 03052A000 :** Biology II is an outgrowth of Biology I and is intended for the self-motivated student who is interested in continuing their study of life science. Students who are interested in a career in science (nursing, agriculture, physical therapy, dentistry, pharmacy and others) will benefit from this class. Topics include biochemistry, ecology, histology (the study of tissues), microbiology, anatomy, physiology, and environmental science. The course includes labs, activities, and projects.

Level: 10-12

Elective: 2 Sem. **Prerequisite: Biology 1**

Credit 1



**Chemistry I- 03101A000:** Chemistry I is designed as a rigorous academic course for those who plan to go on to college or pursue technical or professional programs, such as nursing, agriculture, pharmacy, chemistry, or engineering. Chemistry is the study of substances and the changes they undergo. These topics include: scientific measurement, atomic structure, periodic trends, chemical bonding, dimensional analysis, chemical equations and reactions, energy and phases, gas laws, acids and bases, radioactive decay, equilibrium, and reaction rates. Laboratory work is an essential part of the class to illustrate these chemistry topics. Students will need a scientific calculator.

Level: 10-12      Elective: 2 Sem. **Prerequisite: A grade of “C” or better in Algebra-Geometry**      Credit 1

**Chemistry II- 03102A000:** Chemistry II is designed to be an advanced rigorous academic class for those students planning on going to college or pursuing technical or professional programs, such as nursing, agriculture, pharmacy, chemistry, or engineering. Students will have a quick review of their first chemistry class, both independently and in class. The class will then consist of an in-depth look at new topics such as thermodynamics, electrochemistry, oxidation-reduction, organic chemistry, and nuclear chemistry. Laboratory work is an essential part of class to illustrate these chemistry topics. Students will need a scientific calculator.

Level 11-12      Elective: 2 Sem. **Prerequisite: Chemistry 1, Algebra 1, Geometry**      Credit 1

**Human Anatomy and Physiology- 03053A000:** This course provides students with a study of the structure and function of the human body. The study begins at the cellular level and proceeds through selected organ systems. This course has a laboratory section that includes experimentation and dissection. Students are expected to dissect. The course is appropriate for students intent on a four year program as well as those seeking training in sport and/or medical and healthcare fields.

Level: 11-12      Elective: 1 Sem. **Prerequisite: Biology**      Credit ½

**Dynamics of the Universe- 03008A000:** This course has been designed to allow students the opportunity to develop an understanding of a wide range of topics in Earth and Space Sciences. The topics include *space systems, History of the Earth, Earth’s Systems, Weather and Climate, and Human Sustainability.*

Level: 10-12      Elective: 2 Sem.      Credit: 1

**Physical Science- 03159A000:** Physical Science is a course that includes Chemistry and Physics. Chemistry units will cover the study of the structure and properties of matter, modern atomic theory, matter and reaction processes and energy transfer. Physics units investigate force, work, velocities, simple machines, speed, acceleration, electricity and energy conversions, waves and electromagnetism.

Level: 10-12      Elective: 2 Sem.      Credit 1

## **SOCIAL STUDIES**

**Civics- 04161A000 and Government 04151A000:** This course emphasizes the study of American political behavior at the federal, state, and local levels of government. This course also examines the parties' issues, candidates and special interest groups and their roles in American politics. Contemporary social problems (IE.: gun violence and Second Amendment rights, freedom of expression, abortion and Roe v. Wade, capital punishment, etc.) will be examined. Individual responsibility and a citizen's role in a democracy will be emphasized.

Level: 9      Required for graduation: 1 Sem. Of Civics      Credit ½  
Elective: 1 Sem. Of Government      Credit ½

**World History- 04051A000:** The major objective in world history is a study of the past to obtain a better understanding of the present in order to make better preparations for the future. These courses are panoramic in scope, extending from the major prehistoric cultures to the present. Aspects of military history, achievements in science, industry, technology, and religion are also studied with the primary emphasis on Western civilization.

Level: 10-12

Elective: 2 Sem.

Credit 1

**United States History (see codes below):** The basic purpose of students learning U.S. history is not only for them to learn what they need to know about their own country, but to discover how the present comes from the past with encouragement for the student to see how the future will come from the present. Therefore, current events are important in the study of U.S. History.

U.S. history at United is divided into three semesters which altogether reveal the development of our political system from the colonial era to the present day. The three semesters weave together the five categories of history: political, cultural, social, religious, and economic.

**The student is required by law to pass at least two of these four semesters for graduation.**

U.S. History I	04102A000-----Peopling of the Americas to 1850	Level 10-12	Credit ½
U.S. History II	04103A000-----1850-1914	Level 10-12	Credit ½
U.S. History III	04149A000----1914 to the 1 <sup>st</sup> Persian Gulf War	Level 10-12	Credit ½
U. S. History IV	04106A000---1991-to the present	Level 10-12	Credit ½

**AP U.S. History- 04104A000:** This is a college level course with a rigorous curriculum. Students will be required to do an extensive amount of reading and writing as it relates to American history. This is a **weighted elective** class.

Level: 12

Elective: 2 Sem. **Prerequisite: Teacher recommendation**

Credit 1

**Psychology- 04254A000:** This course will introduce students to the study of psychology which will include human behavior and mental processes (thinking/feeling). Additionally, this course will explore many of the major fields of psychology which include: the history of psychology, social psychology, research methods, biology of behavior, nature vs. nurture, gender, human development, personality, learning, cognition, emotion, stress and health and abnormal psychology.

Level: 11-12

Elective: 1 semester

Credit ½

**\*\*Dual credit with Carl Sandburg College- Tuition is due to Carl Sandburg College\*\***

## Miscellaneous:

**Leadership Studies- 22101A000:** This course encourages personal growth through the study and exploration of different leaders who have overcome great odds to achieve great things. Additionally, students will explore timeless principles necessary for leadership. These include: courage, respect, responsibility, gratitude, goal setting, service, preparation, self-evaluation, integrity, attitude, vision, and self-discipline. Students will discover the sources of inspiration which lead people to live lives of significance. The course guides students through practical steps to develop true leadership in their lives and the lives of others. With the use of books, potential guest speakers, class discussions, and videos to support students' character development. This class will be heavy on class participation and discussion. Leadership Studies will be a very relevant course and one in which students will be challenged to immediately apply what they learn to their daily lives.

Level: 11-12

Elective: 1 semester

Credit ½

**Individual Education Program (IEP) students only:**

**S.T.E.P. 1- Job Search- 22153A000** : This class is designed to prepare students with the skills necessary to find a job in the community. Topics covered include: Job leads, applications, interviews, resumes, grooming, dress for success and proper English. This class is a prerequisite for S.T.E.P 2.

Level: 11

Elective: 2 semesters

Credit 1

**S.T.E.P. 2- 22998A000** Secondary Transition Experience Program In this course students job shadow and apply for jobs with a goal to become employed in the community where they can earn at least minimum wage. Students receive supervision from employers, STEP teachers and job coaches. Topics for instruction include teamwork, leadership, health & safety, communication, thinking skills, time and information management. A team consisting of the classroom teacher, S.T.E.P. Coordinator, and administration determines eligibility for approval.

Level:12

Elective: 2 semesters **Prerequisite: S.T.E.P. 1 and teacher recommendation** Credit 1