

COURSE DESCRIPTIONS

ST. PAUL HIGH SCHOOL

**ST. PAUL
NEBRASKA**

2021-2022

This registration material is subject to change at the Administration's discretion.

Students & Parents:

Once again it is time to think about class registration for the upcoming school year. You will find an overview of graduation requirements below, a suggested sequence for core classes on page 3, followed by detailed course descriptions for each class offered to our students.

**2021 - 2022
GRADUATION REQUIREMENTS
REQUIREMENT CHANGES AS FOLLOWS**

GRADUATION REQUIREMENTS

A minimum of 240 semester hours is required for graduation. In the 240 hour requirement, a student must have acquired the following required academic credits:

Year	Total Credits Req.	English	Math	Science	Social Studies
21/22	240	40	30	30	30

PE	Health	Communications AG/Leadership	Personal Finance	Community Service
5	5	5	5	40

The additional 90 hours of credit may be earned by taking any of the elective courses offered. Students who have not met the minimum of 240 semester hours, have not completed the required courses, or have not completed their community service requirement, or have not met their financial obligations to the school will not receive a diploma and will not be allowed to participate in graduation exercises.

CLASS MEMBERSHIP

Freshman	Completion of Grade 8
Sophomore	65 earned credits
Junior	130 earned credits
Senior	195 earned credits

One Semester = 5 Credit Hours. Full Year = 10 Credit Hours

7 -11 grades are required to register for at least 7 credited classes per semester with an option of one period of study hall.

However,

Seniors must register for a minimum of five credited classes. Students can fill the remaining three periods with a combination of work release, teacher aide and/or study hall. Within the three remaining periods seniors can have two periods of work release, which are available 1st & * 2nd, 1st & 8th, or 7th & 8th. If the senior only registers for one period of work release, it must be 1st or 8th period. Seniors cannot sign up for more than one study hall or more than one teacher aide.

Suggested Sequencing for High School Core Classes According to Education Path

Science: 30 hours Required

Math: 30 hours Required

College Track
None or 2 yr

College Track
2-4 yr

College Track
4+ yr

College Track
None or 2 yr

College Track
2-4 yr

College Track
4+ yr

Grade 8 -----
Grade 9 *Physical Sci

*Physical Sci

*Physical Sci

* Algebra I or IB

*Algebra

* Algebra I
*Geometry

Grade 10 *Biology

*Biology

*Biology

*Geometry B

*Geometry

*Algebra II

Grade 11 *General Science
or *Chemistry

*Chemistry

*Chemistry
& Physics

*Algebra IIB

*Algebra II

Trigonometry

Grade 12

Physics

Anatomy & Physiology

Trigonometry or
Calculus

College Alg & Stats
*College Alg & Stats

* Denotes required core class all students must take

* Denotes required core class all students must take

** Requirements: See pg. 10 for required min. ACT & MAP scores

English: 40 hours Required

Social Studies: 30 hours Required

College Track
None or 2 yr

College Track
2-4 yr

College Track
4+ yr

College Tra
None or 2 yr

College Track
2-4 yr

College Track
4+ yr

Grade 9 *English 9

* English I

* English 1

*World Studies

*World Studies

*World Studies

Grade 10 *English 10

* English II

* English II

*American History I

*American History I

*American History

Grade 11 *English 11

* English III

* English III

Sociology

Psychology/Sociology
or American History II

Psychology/Sociology
or American History II

Grade 12 *English 12

* English IV

* English IV

*Government

*Government

*Government

***College Comp 101 ***College Comp 102

* Denotes required core class all students must take

* Denotes required core class all students must take

***Requirements: See page 6 for required min ACT & MAP scores

LANGUAGE ARTS

ENGLISH I: 121891 & 121892 9th

English I is a course for freshmen who plan to further their formal education after high school. Research and public speaking are important life skills that are part of this freshmen curriculum. An informative speech will be prepared and presented during this class. The freshmen level of vocabulary will be studied along with basic grammar and usage. Greek and Roman mythology, the Odyssey, The Tragedy of Romeo and Juliet, My Antonia, The Miracle Worker, and several short stories will be literature studied in English 1. The Advanced Reading option may be utilized to encourage the reading of highly acclaimed, classic literature.

ENGLISH 9: 122501 & 122502 9th

English 9 is a course for freshmen who plan to attend a trade school, enter the job force or military immediately after high school. The curriculum for this course will be similar to English 1, but more in-class help will be provided and many assignments will be simplified. The Advanced Reading option may be utilized to encourage the reading of highly acclaimed, classic literature. Note: Enrollment in English 9 will be based upon test scores, previous classroom performance, and instructors' recommendations.

ENGLISH 2: 122001 & 122002 10th

English 2 is a college-preparatory course for sophomores that provides opportunities to develop students' knowledge and skills in grammar, vocabulary, writing, and literature. The focus of the course will be reading literature largely consisting of at least four novel units and Julius Caesar. The Six-Trait Writing Model will be taught and used to assess various writing assignments, including four formal essays. The Advanced Reading option may be utilized to encourage the reading of highly acclaimed, classic literature.

ENGLISH 10: 123011 & 123012 10th

English 10 is a course for sophomores who plan to attend a two-year college or technical school, join the military, or enter the workforce upon graduation. The course will focus on improving basic reading, writing, grammar, vocabulary, and spelling skills. Students will read selections from at least four novel units and Julius Caesar. The Six-Trait Writing Model will be taught and used to assess various writing assignments. Note: Enrollment in English 10 will be based on test scores, previous classroom performance, and instructors' recommendations.

ENGLISH 3: 122101 & 122102 11th

This class is a college-preparatory course for juniors. Reading will include selections from American literature from its beginning to the present, including various genres such as short stories, novels, plays, poetry, and nonfiction. Students will study grammar, usage, mechanics, and vocabulary building. Using the Six-Trait Writing Model, students will write various types of essays with emphasis on persuasive writing. The Advanced Reading option may be utilized to encourage the reading of highly acclaimed, classic literature.

ENGLISH 11: 123111 & 123112 11th

English 11 is a course for juniors who plan to attend a two-year college or technical school, join the military, or enter the workforce upon graduation. The students will study vocabulary, spelling, and grammar concepts that are useful to improve communication skills. Fundamental reading skills will be emphasized using selections from American literature. Using the Six-Trait Writing Model, students will work on improving writing of various types with emphasis on persuasive writing. Note: Enrollment in English 11 will be based on test scores, previous classroom performance, and instructors' recommendations.

ENGLISH 4: 122221 & 122222 12th

English 4 is a college-preparatory course for seniors. During this course, students will read and discuss selections from British literature, which cover the Anglo-Saxon period through the 20th century. Beowulf, Canterbury Tales, Macbeth, Hamlet, and A Tale of Two Cities are major literature units for this course. Grammar, usage, and mechanics will be reviewed. Students will also study vocabulary and will write for several assignments connected to literature. The Advanced Reading option may be utilized to encourage the reading of highly acclaimed, classic literature.

ENGLISH 12: 126021 & 126022 12th

English 12 is a course designed for seniors who plan to attend a two-year college or technical school, join the military, or enter the workforce upon graduation. The class will focus on developing knowledge and skills in grammar, vocabulary, writing, and literature. Students will read at least one novel and a variety of American short stories. The Six-Trait Writing Model will be taught and used to assess various student writing assignments. A *Writing in the Workplace* unit will be taught, consisting of "Letter Writing," "Writing to Get a Job," and "Writing on the Job." Note: Enrollment in English 12 will be based on test scores, previous classroom performance, and instructors' recommendations.

COMMUNICATIONS: 127011 & 127022 10th-11th-12th

Communications is a one semester required course which is meant to involve a variety of communication skills. The course will require students to prepare short compositions, present demonstrations and will also involve preparing and delivering speeches. This course will be offered both first and second semester for five hours of high school credit.

LANGUAGE ARTS (cont'd)

ENGLISH COMPOSITION I (CCC 1010):

115021

12th

Composition I is a one-semester writing course (English 101) offered through Central Community College. Students will receive three hours of college credit upon successful completion of the course. Enrollment requires an English ACT score of 18 or higher and an ACT Reading score of 18 or higher OR a MAPS score in Reading and Language of 223 or above. Emphasis is on personal, expository, and persuasive writing (with MLA documentation). The class will be taken with a college instructor and a local monitor. Students will need to register and pay the required fees and tuition at the college at the beginning of the semester. The credits earned will transfer to most Nebraska and some out-of-state-colleges, but institutions may require a grade of "C" or above. This class will count as 5 elective high school credit hours but will not count towards a student's high school GPA.

Note: Enrollment in this class is limited to seniors or juniors.

ENGLISH COMPOSITION II (CCC 1020):

115032

12th

Composition II is a one-semester writing course (English 102) offered through Central Community College. Students will receive three hours of college credit upon successful completion of the course. Enrollment requires an English ACT score of 18 or higher and an ACT Reading score of 18 or higher OR a MAPS score in Reading and Language of 223 or above. The emphasis is on extended research-based essays with correct documentation of sources. The class will be taken with a college instructor and a local monitor. Students will need to register and pay the required fee at the college at the beginning of the semester. These credits earned will transfer to many Nebraska and some out of state colleges, but institutions may require a grade of "C" or above. This class will count as 5 elective high school credit hours but will not count towards a student's high school GPA. Prerequisite: Successful completion of Composition 1010.

SOCIAL STUDIES

WORLD STUDIES: 226001 & 226002 9th

This is a **required freshmen** level social studies course. The class will focus on influential historical and political events of each continent, such as the development of Rome, Feudalism, renaissance, the rise and fall of religion in Europe, and world wars. Also a great deal of this class will be devoted to investigating religions around the world. During each unit, key geographical features and locations will be discussed. An effort will be made to move in chronological relevance of regions to provide a concise and complete interpretation of world history along with providing ample time to develop and practice geography skills including; map reading, graph analysis, and spatial awareness. This class will also make use of a variety of technologies resulting in opportunities for various public speaking assignments and presentations.

AMERICAN HISTORY 1: 222011 & 222012 10th

This is a **required sophomore** level social studies course. The class will focus on American history from the beginning of the 1900s to the present day. Some of the major themes addressed in this class include Progressive Age, World War I, the Roaring 20s, The Great Depression, World War II, the Cold War, the Civil Rights Movement, Vietnam, and issues in the U.S. during the 1980s, 1990s, and today. Along with their textbook, students will use technology to create class projects as well as analyze primary sources.

AMERICAN HISTORY 2: 222021 & 222022 10th – 12th

American History II is a more in-depth study of events in American History from the 1960's to the present day. Major themes addressed in this class include the Space Race, the Civil Rights Movement, student's determination of their political party affiliation, Vietnam, major Assassinations of the 1960's, Cold War of the 1970's and 1980's, the rise of Mass Shootings of the 1990's to present day, major happenings of Presidential Elections and Terms of Office, Attacks on the US (domestic and foreign) 1990's and 2000's, and military actions of the US between 1980 and present day. In addition to their textbook, students will analyze primary resources, use various websites (research for posters, collages, etc.), use computers for a number of projects, and watch period films of the events covered. Reading and writing will be essential components of this course, as students will be expected to do several independent projects incorporating these skills to defend their stance on particular issues and policies.

This course may be taken as a semester of year-long class.

SOCIOLOGY: 21701 10th – 12th

This is a one-semester course for sophomores, juniors, and seniors. It is designed to be an introductory level Sociology class for those students planning on attending a post-secondary school. Sociology is the study of human behavior and interaction with-in groups. The primary focus of the class will be customs, culture, group behavior, values, and changes in society, multi-cultural relationships, and social issues. The course will also include current events; including politics, entertainment (multiple media sources), major events in national and international news, sports, etc. will be explored so that the student will be able to correlate events studied in our book to events taking place today. Learning to be amateur sociologists and thinking for themselves will be the main focus of this class.

PSYCHOLOGY: 21301 10th – 12th

This **weighted** course is an introduction into the study of the science of psychology. Some topics covered are theories of psychology, human behavior, personality, learning, the brain, memory, sleep and dreams, psychological disorders, careers in psychology, and methods of therapy. This course is one semester in length and for students in grades 10-12. Psychology is a companion course to Sociology.

GOVERNMENT: 221021 & 221022 12th

This is a **required senior** social studies course, which has the objective of developing an understanding of the United States' system of government. The student will examine types of governments, world affairs, and current political situations. In addition to taking tests and quizzes, students will use critical thinking to write essays on current issues in government (about one per quarter) and participate in simulations and class debates. The areas of study will include an in depth look at the three branches of the U.S. government, Nebraska government, citizenship, the electoral process, the constitution, and current events. The student shall utilize magazines, newspapers, educational videos, and internet resources to accomplish the objectives of the course.

SCIENCE

PHYSICAL SCIENCE: 421091 & 421092 9th

This is a **required freshman** introductory course in physics and chemistry. Major areas of study include the basic principles in lab techniques, the scientific method, simple mechanics, energy and motion, electricity, energy resources, and the nature and interactions of matter. This course will be partially lab-oriented, and will deal with practical, real-world matters. This course will also provide sufficient background knowledge for the student to enter chemistry and physics.

BIOLOGY: 422001 & 422002 10th

A **required sophomore** level class, that is required for graduation. This class will look at a variety of scientific aspects of the world around us and how we fit into that on-going cycle. An emphasis will be placed on the systems of the human body, genetics, ecological studies, and the basic interactions of both plants and animals.

STEM I 429011 & 429012 10-11-12th (*Science, Technology, Engineering, Mathematics*)

This a yearlong course that covers a wide array of disciplines in science & math through the use of many inquiry activities over engineering & technology. Engineering processes will be used through computer simulations & the use of robotics (programming) will be a drive many of the units covered throughout this course. Robotics will include programming & controlling the robotics by calculators & computers while reinforcing basic science & mathematical principles. Engineering design projects, that will cover such things as bridges, automobiles, and machines, will also be completed throughout this course that will involve research, drafting, construction, & testing, as done in the real world.

STEM II 429013 & 429014 11th & 12th

Autodesk's VEX Robotics Curriculum is divided up into twelve primary units and one optional unit. In a flexible format, students learn about engineering and engineering problem solving. They will be given introductions to the VEX Robotics Design System and Autodesk® Inventor® while learning key STEM principles through a process that captures the excitement and engagement of robotics competition. The curriculum is heavily focused on mechatronic principles; as such, programming is NOT required. However; this course is structured in such a way that teachers and students who want to include a more Computer Science heavy layer with the course can do so.

STEM III 429015 & 429016 12th

Throughout STEM III, students will continue to work through the engineering design process to develop a competition robot (competitions are not required to take the class, and if students choose not to compete they will still help design, test, & modify a robot). This typically takes place up to two days per week. During the other three days of each week, students will work through the Texas Instruments "ten minutes of code" curriculum, which includes learning how to code on a TI inspire CX calculator to control a rover and an innovation hub/breadboard to learn more basic coding, math, & science principles.

HUMAN ANATOMY & PHYSIOLOGY: 423021 & 423022 12th

This **weighted senior** course covers all the information necessary for a general understanding of the structure and function of the human body in both the anatomy and physiology aspects. An emphasis on concepts as well as terminology, contained in lecture and laboratory exercises will provide the students with an understanding of the role the systems of the body play in maintaining homeostasis. Prerequisites: **biology and general chemistry**. Students who do not pass the first semester are advised not to take second semester.

CHEMISTRY: 424011 & 424012 11th – 12th

This **weighted** course will allow students to discover fundamental processes and develop the ability to integrate facts dealing with the relationship and between chemistry and matter. The use of measurements, models, and scientific evidence, will enable students to focus their learning on connections among major ideas and concepts of integrating facts along with the application of problem solving to better understand the world around us.

Prerequisite: **Algebra I**

GENERAL SCIENCE: 428021 & 428022 11th - 12th

General Science 11 is an activity/lab-based, scientific inquiry course that will encompass all facets of basic scientific disciplines. This study will have components in Earth, Physical, and Life sciences. Each of these pieces will include an inquiry activities utilizing technology, measuring instruments, etc.... The course also will have an L to J element that reviews all scientific vocabulary/concepts needed at the 11th grade level.

COLLEGE PHYSICS 1410 (CCC): 426021 & 426022 11th - 12th

To be eligible to take this high school weighted junior or senior class for college credit you must receive an ACT Math score of 23 or above or a MAPS Math score of 252 or above. This is a yearlong college level course in which weighted high school and college credit may be earned. This course is a lab/activity-based course introducing a balance of conceptual developmental and quantitative applications (with graphical analysis in all topics), covering mechanics, properties of matter, motion, force, energy, fluids, waves, electricity, and magnetism. In addition to everyday examples and special related topics studied in the real world, it will include the comprehensive coverage of problem-solving experiences and lab work. This weighted class does count towards class rank and the student's GPA. Five hours of college credit is available through Central Community College with the successful completion of the year long course, as well as 5 hours of high school science elective credit per semester. Students are responsible for registering and paying student fees and tuition at CCC. All other supplies needed for this class will be provided by St. Paul public schools.

Prerequisite: Algebra II

MATHEMATICS

****WRITTEN PERMISSION IS NEEDED FROM THE MATH DEPARTMENT AND COUNSELOR BEFORE TAKING TWO MATH COURSES IN THE SAME SEMESTER.****

ALGEBRA I: 521091 & 521092 8th (if eligible) -9th

This course is primarily designed to provide adequate background for the math-oriented student or those with an adequate basic math background. It is the beginning course in the sequence of Algebra I, Geometry, and Algebra II. It can also be used to follow Algebra IB as a sophomore. The emphasis of the course is on following directions, signed numbers, solving equations and work problems, graphing equations, working with polynomials, solving systems of equations, working with exponents and radicals, solving quadratic equations and working with rational expressions.

Students not receiving credit for the first semester may only continue with the second semester by recommendation from both the instructor and counselor. *Prerequisite:* Passing both semesters of Math 8, or Algebra 1B and/or recommendation from counselor and math teachers.

ALGEBRA IB: 522091 & 522092 9th

This freshmen course is designed with the intent of achieving basic algebraic competencies. Solving equations and graphing is stressed. This course is designed for students who plan to attend a technical school, community college, or join the workforce.

Students not receiving credit for the first semester may only continue with the second semester by recommendation from both the instructor and counselor.

GEOMETRY: 523001 & 523002 9th-10th

This course is designed to follow Algebra I. The emphasis is on the geometric theorems and postulates demonstrated through algebra. It is a necessary course to have when entering 4-year colleges and some technical schools, as it provides for a more rounded math background. In the course students study lines, circles, triangles, polygons (congruency and similarity), constructions and some proofs.

Students not receiving credit for the first semester may only continue with the second semester by recommendation from both the instructor and counselor. *Prerequisite:* Passing 2 semesters of Algebra I

GEOMETRY B: 523101 & 523102 9th-10th

This sophomore course is designed to follow the successful completion of Algebra IB. The course will teach the basic concepts of Geometry but use more concrete experiences and real-world applications for students who plan to attend a technical college, community college, or join the workforce. Students not receiving credit for the first semester may only continue with the second semester by recommendation from both the instructor and counselor.

ALGEBRA II: 524011 & 524012 10th-11th

This course is designed to follow Geometry. It provides the necessary background for students considering work in Advanced Math and for college-bound or technical school-bound students. Logarithms, polynomials, exponents and radicals, equations, matrices and use of technology are included. Students not receiving credit for the first semester may only continue with the second semester by recommendation from both the instructor and counselor. *Prerequisite:* Passing 2 semesters of Geometry.

ALGEBRA IIB: 525011 & 525012 10th-11th

This junior course is designed to follow the successful completion of Geometry B and is for students who plan to attend a technical school, community college, or join the workforce. The course covers a review of basic algebra concepts. Students not receiving credit for the first semester may only continue with the second semester by recommendation from both the instructor and counselor.

TRIGONOMETRY: 527011 & 527012 11th - 12th

This weighted junior or senior course is designed to be a preparatory course for students entering post-secondary schools. The first semester will cover Trigonometry: trig functions of right triangles, laws of sines and cosines, area formula for triangles, radian measure, graphs of periodic functions, trig identities and formulas, vectors, inverse functions, and trig equations. In the second semester the course will continue with trigonometry and also will include advanced algebra topics not covered in Algebra II. Students who do not pass the first semester are advised not to take second semester. *Prerequisites:* Algebra I and II, Geometry, and/or recommendation from instructor and counselor.

CALCULUS: 528063 528064 12th

This senior course is a weighted high school class. It is an advanced level mathematics that includes: limits and continuity, differentiation of algebraic and trigonometric functions, elementary integration (with applications) of algebraic and trigonometric functions. *Prerequisite:* full year of Trigonometry

MATHEMATICS (cont'd)

****WRITTEN PERMISSION IS NEEDED FROM THE MATH DEPARTMENT AND COUNSELOR BEFORE TAKING TWO MATH COURSES IN THE SAME SEMESTER ****

COLLEGE ALGEBRA (CCC): 538101 12th (We suggest you take a study hall with this course)

College Algebra is a weighted first semester Math course. Enrollment requires a Math ACT Score of 22 or a MAPS Math score ranging from 249-251 or above. The course covers functions, including polynomial, rational, exponential and logarithmic; systems of equations; and probability. This course is taught by a St. Paul Public School teacher so the final grade will count toward the student's high school GPA. Students will also receive three hours of college credit from Central Community College. The college credit earned will transfer to most Nebraska and some out-of-state colleges but institutions may require a grade of "C" or above. Students are responsible for registering and paying student fees and tuition at CCC. All other supplies needed for the class will be provided by St. Paul Public Schools. (We suggest you take a study hall with this course)

COLLEGE STATISTICS (CCC): 53800 12th (We suggest you take a study hall with this course)

College Statistics is a weighted second semester Math course. Enrollment requires a Math ACT Score of 22 or a MAPS Math score ranging from 249-251 or above. The course covers introductory concepts of descriptive statistics and probability. This course is taught by a St. Paul Public School teacher so the final grade will count toward the student's high school GPA. Students will also receive three hours of college credit from Central Community College. The college credit earned will transfer to most Nebraska and some out-of-state colleges but institutions may require a grade of "C" or above. Students are responsible for registering and paying student fees and tuition at CCC. All other supplies needed for the class will be provided by St. Paul Public Schools. (We suggest you take a study hall with this course)

SPANISH

SPANISH I: 129091 & 129092 9th – 10th

This course is designed to lay the foundation to developing proficiency in Spanish by stressing proper pronunciation, listening skills, language structure, and vocabulary. Activities will be used to allow students to express themselves orally and in written work in useful areas such as school, clothing, family, food, sports, etc. Culture is presented through study of customs, crafts, food, and holidays. An online component has also been added. Students must pass the first semester to take the second semester.

SPANISH II: 129101 & 129102 10th – 12th

This course reviews Spanish I topics and builds to higher levels of proficiency in reading, writing, speaking, and comprehension. Among learning activities are pair dialogues, oral quizzes, and cultural lessons with strong emphasis on increasing vocabulary, verb tense usage, and pronouns. An online component has also been added. Students must pass the entire year of Spanish I to take Spanish II. Again, students must pass the first semester to take the second.

SPANISH III: 129201 & 129202 11th & 12th

The goals of this course are to have the student understand and use 3rd year grammar topics, speak and write in conversational situations, and gain an appreciation for some target-country cultural aspects. An emphasis is also placed on listening comprehension through our teacher led online program. Students in this course may also be introduced to the Spanish novel Don Quixote and may be responsible for translating selections from the book and then taking quizzes over the book content and the author

Prerequisite: Spanish II and written permission from the instructor. You must take this class immediately following Spanish II

BUSINESS EDUCATION

PERSONAL FINANCE: 722201 & 722202 11th-12th

This one semester required course covers the basic principles needed for effective personal finance management, including the practical application of money management, budgeting, taxes, consumer risk, copyright, credit, insurance, housing, investments, retirement planning and preventing identity theft. Students will also explore options for purchasing a vehicle and home, financing college and complete a checkbook simulation. Research assignments and creation of presentations will be utilized to demonstrate knowledge of concepts. [Sophomore students may take this class with instructor approval]

ACCOUNTING I: 723011 & 723012 10th-12th

Accounting I is designed to allow students to learn accounting terminology, principles, and procedures as they relate to a single proprietorship, a partnership, and a corporation. Accounting career opportunities are also researched. The study of accounting will prepare students for accounting careers and for personal use, as well as provide opportunities for further study at the high school and college level. This course is highly recommended for students who plan to major in business at the secondary level. This is a yearlong course. * Students must pass the first semester to take the second semester.

ACCOUNTING II: 723015 & 723016 11th-12th

Accounting II is a review and expansion of topics covered in Accounting I. Accounting II will incorporate accounting principles and procedures in managerial, intermediate, and cost accounting with an emphasis on corporate accounting. Online coursework through Cengage is utilized to provide students with immediate feedback. Accounting II is designed to prepare students who plan to pursue a career in accounting or business and who plan to study it at the college level. This is a yearlong course.

Prerequisite: Accounting I

COMPUTERS

COMPUTER APPLICATIONS 1 (1st Semester): 625031 9-12

This semester will introduce students to basic skills in the areas of word processing, spreadsheet applications, database applications, presentation, internet use, security issues, and electronic communication. This class also prepares students to be certified through the Microsoft Office Initiative that provides students with a nationally recognized certificate of skills they can list on resumes and scholarships for Word, PowerPoint, and Excel.

COMPUTER APPLICATIONS 2 (2nd Semester): 625032 9-12

In this semester course students will advance their skills previously learned in Computer Applications 1. Other software will be used to expose students to computer programming, photo editing, video editing, and audio editing. Computer safety and security will also be discussed.

****Students must pass Computer Applications 1 to take this class****

WEB DESIGN (FORMALLY 1ST SEMESTER COMPUTER 2): 625041 10-12

In this semester course explore website design. Students will design personal/topical websites and maintain the school website demonstrating understanding of basic HTML code and web design elements. Students will also explore design elements for the school's Digital Signage (TV's).

DIGITAL MEDIA (FORMALLY 2ND SEMESTER COMPUTER 2): 625042 10-12

In this semester course students will learn how to use various Adobe Products such as, Photoshop, Illustrator, Premiere Pro, and other apps. Students will create, design, and produce digital media including sound, video, and graphics. Emphasis will be placed on effective use of tools for interactive multimedia production including storyboarding, visual development, project management, and web processes.

VIDEO PRODUCTION: 621091 & 621092 11th-12th

This year long course will introduce students to the basics of video production. Students will be able to use a video camera and Adobe Premiere to edit video. Students will create movies to share with an audience employing a variety of methods. Emphasis will be on shooting video with correct technique, and incorporating good audio and lighting techniques. Students will expand their media skills of interviewing, reporting, writing, editing, photography/videography, and design. [Sophomore students may take this class with instructor approval]

COMPUTER III: 625051 & 625052 11-12

This is an independent course and will require students to be self-motivated. Students will create information for and maintain the school's in-house Digital Signage (TV's), website and school app. Website design will also be reinforced with special projects such as Senior Spotlights and special requests from the community. Students will create a variety of projects and complete tasks as needed to demonstrate technology expertise in multiple areas. Coding, audio editing animation, 3-D modeling and printing will also be utilized.
Prerequisite: Instructor Permission

COMPUTERS IV (INDEPENDENT STUDY) [Kleinsasser] 625061 & 625062 12th

This class is open only for senior students that are self-motivated and have an interest in studying computer and technology topics not covered in the regular curriculum. This course requires the recommendation of the instructor and counselor. Computer background and knowledge is required and completion of Computer I-III is recommended. Students will work on independently designed programs approved by the instructor and complete technology related tasks as they arise. Pre-Approval by instructor is required.

COMPUTERS V (INDEPENDENT STUDY) [Kleinsasser] 625071 & 625072 12th

This class is designed for those students who have developed enough computer knowledge to help our technology coordinator. Student may also work on the senior slide show, which will incorporate many of the same skills as the yearbook. Students may also work on independently designed programs approved by the instructor.
Pre-Approval by our Technology Coordinator is required.

JOURNALISM / YEARBOOK: 625021 & 625022 9th-12th

This course requires the recommendation of the instructor and counselor. Computer background and knowledge is required. Students will work on the yearbook using an online program to create pages for the school yearbook. Students will also sell advertising to local businesses then prepare and place the advertisement in the yearbook. Taking pictures outside of the school day at some school events will be required for this class. Being able to work independently is important as well.

MUSIC

BAND: 825091 & 825092 9th – 12th

The Senior High School Band is the primary instrumental performing ensemble. The band is comprised of students in grades 9-12. The primary goal of the High School Band is to provide young people with an experience in music that is both enjoyable and educational. The elements of music are taught through the exciting medium of performance. Members of this group are required to perform at many school and out-of-school activities. The concert band is the fundamental structure of this program, with marching band and pep band being introduced and utilized as needed. Other opportunities available are: jazz band, various small ensembles, and solos. Students will be graded on outside practice time, written work, tests/quizzes, attendance, and class effort and attitude.

CHORUS: 826091 & 826092 9th – 12th

Chorus is open to all 9-12 grade students who enjoy singing in a performance group. No auditions are necessary to be a member of the choir. Proper singing technique is emphasized and the students are exposed to music from many different periods of history, different styles, and different cultures. The choir performs at several concerts, contests, and clinics. Opportunities also exist for solos, small group participation, and acapella choirs. Student grades are based on attendance, written work, tests, and daily participation/effort grades.

PHYSICAL EDUCATION

HEALTHFUL LIVING 321101 & 321102 9th – 10th – 11th – 12th **One Semester required**

This course serves as the foundation for healthful living in areas of mental health, alcohol, tobacco & other drugs, growth & development, social/relationship health, first aid & CPR, self-management, stress management, planning & goal setting, advocacy, family life & sexual health, unintentional injuries & violence prevention

PHYSICAL EDUCATION / STRENGTH TRAINING 323091 & 323092 9th-10th-11th-12th

The objective of this class is to combine strength training and physical education. Students will improve muscular strength, create the ability to sustain intense muscular activity, and improve the ability of the body to recover quickly from hard work. Students will work on improving body quickness, acceleration, reaction time, and flexibility. Students will be required to do a minimum amount of lifts by the instructor. Individual and team sports will be taught on non-lifting days. Evaluation will be determined by attendance, participation, conduct, skill tests, and progress. Students are required to take one semester of physical education/strength training and will be allowed to take it multiple semesters.

ART

ART I: (Beginning Art): 821091 & 821092 9th – 10th

Art I is the basic art-studio orientation course utilizing the elements and principles of art and artistic awareness under laboratory conditions. All art experiences will be based upon the art elements of space, line, shape, form, texture, and color; and the related principles of contrast, pattern, emphasis, movement, balance, rhythm, and unity. Students will become acquainted with a number of different media and are encouraged to experience, invent, and transfer learning from one medium to another. The specific program content includes drawing, painting, printmaking, sculpture, ceramics and a variety of two and three-dimensional media. Purchase of some personal supplies may be required.

Class size is limited to 20 students.

ART II: (General Art): 822001 & 822002 10th – 12th

This course is open to any student in grades 10-12. Art II will consist of a review of Art I as far as the elements of line, shape, texture, color, form and space are concerned, and the principles of art will be studied further. It will consist of drawing, painting, printmaking, and pottery. The students are allowed to explore these art projects and from that point discover an area of interest on an individual basis. Purchase of some personal supplies may be required.

Class size is limited to 20 students. First priority will be given to those who have taken Art I.

ART III: (Advanced Art): 823001 & 823002 11th – 12th

Advanced Art is a course in which students showing average to above-average skills and imagination have an opportunity to explore, in depth, some of the media covered in Art I and Art II.

Drawing, painting, sculpture, and ceramics are some of the areas that may be studied in depth. This course will also include painting, drawing, ceramics (functional & non-functional), or other areas depending upon the student's interests. Purchase of some personal supplies may be required. Class size is limited to 20 students. First priority will be given to those who have taken Art I & Art II.

ART IV: (Senior Art): 824021 & 824022 12th only

This is a yearlong course for seniors and is aimed at students who are interested in pursuing art as a possible major or minor in college. The student may choose any medium of his/her interest and explore the same in depth. Murals and school projects will be completed if the students show interest in doing so. This course may be scheduled during any period of the day with teacher permission. Purchase of some personal supplies may be required.

ART V: (Independent Studies): 824031 & 824032 12th

Student must have written teacher approval for this class.

CAREER AND TECHNICAL EDUCATION

INTRO TO HUMAN SCIENCE / FCS

INTRO TO INTERPERSONAL RELATIONSHIP: [Semester 1] 922151 9th – 10th

This course includes the study of interpersonal relationships and the effect of these relationships of individuals and families. The student will understand the effects of family on individuals including the various stages of the family and factors that contribute to healthy and unhealthy relationships. Communication styles (including technology), establishing and maintaining relationships, diverse family systems, personal responsibility, and dating violence will also be student and explored. The use of tapes in this class will add to the understanding of this content. The students will also have the opportunity to study housing for the family and decorate a family space with the use of technology. Fabric projects for these spaces will also be explored.

FUNDAMENTALS OF FOOD & NUTRITION: [Semester 2] 922162 9th – 10th

This course introduces students to the concepts of healthy eating and meal planning, nutrition, and nutrition labels. The students will learn about basic culinary terms, measuring techniques in the preparation of food. Food safety and sanitation will also be studied and practiced. Food labs will be an integral part of this class.

PARENTING DECISIONS: [Semester 1] 922211 10th-11th-12th

Are you interested in working with children? Will parenting be a role you fulfill in the future? The concepts studied in this course will be helpful to you. Issues related to parenting responsibilities, managing work, family and community commitments will be explored. Conditions that impact normal growth and development and services provided for these conditions will be explored. The students will study effective and ineffective parenting and caregiver practices and study nurturing practices for well-adjusted children. We will also study heredity and environmental factors on child growth and development (nature, nurture). This class also has a unit on human reproduction and STI's. Building on individual and family strengths will also be examined.

CHILD DEVELOPMENT: [Semester 2] 922222 10th-11th-12th

If you plan to work with children and are concerned with the welfare of children in our society, then this is the class for you to take. Concepts to be explored will be related to children from birth to infancy to toddler, preschooler, and then on to school age children. Issues having to do with physical, emotional, social, and intellectual development will be discussed and studied. Career opportunities will also be studied in the child development field.

CULINARY I: [Semester 1] 922091 11th – 12th

This course combines culinary and management skills. Principles of sanitation and safe food handling, and nutritional practices will be studied. The students will demonstrate food preparation techniques for a variety of foods. Students will develop their culinary skills in the areas of breakfast foods, soups, salads, fruits and vegetables, salsas, stir fry, and many more labs. Knife skills will also be a main area of practice as well as many culinary skills. A catering unit will include a Halloween party for the staff of SPSHS.

CULINARY II: [Semester 2] 922102 11th – 12th

In this course students will continue to learn of the food industry and refine their culinary skills. We will also revisit the safe way to prepare food and to use sanitations practices. These will be in the areas of world cuisine, different ways to cook various foods, pasta and grains. A baking unit that consists of yeast breads, quick breads, cakes, pies, and cookies will part of this semester. The student will refine their skills in meat, poultry, stocks and sauces. The class will also include career options in the food industry and hotel business.

TEXTILES, CONSTRUCTION, AND DESIGN

INDRODUCTION TO DESIGN/CLOTHING: [Semester 1] 922111 10TH-11TH-12TH

This class will explore the aspects of clothing and textiles. It is a class that is a design and clothing basic skills class. Different aspects of this class include characteristics of design, construction, care, use, and maintenance of various fabrics and products. Study of the design principles and elements, application of these, and interactions between color and design will also be included in this class. Design projects will be worked on through the semester.

TEXTILE CONSTRUCTION: [Semester 2] 922112 10TH-11TH-12TH

This semester is an extension of the previous design class with emphasis on designing projects and constructing projects. The student will select fabric for a project and construct it with using proper techniques. This class will concentrate on the use of equipment to accomplish construction of the project and use of the embroidery machine.

CAREER AND TECHNICAL EDUCATION (cont'd)

INTRO TO ENVIRONMENTAL SCIENCE, AGRICULTURE AND FFA: (Bowder) 92519 & 92520 9th-10th

This class is open to first year agriculture education students in the 9th or 10th grade. The class gives students a brief introduction to plant, animal, business, and agriscience systems. In addition, students will gain leadership skills, explore food systems, and learn about the history, purpose, and beliefs of the National FFA Organization. Students will begin preliminary work on developing a quality Supervised Agriculture Experience.

AGRICULTURAL DRAFTING & DESIGN: (Coulfal) 921191 & 921192 9th-11th

Drafting and Design will include techniques of manual drafting and computer aided drafting. Structural and project drawings will be emphasized with the use of simple and complex graphic tools. Projects will be constructed based on CAD designs including dimensions, correct scaling methods, and bill of materials. Projects will be primarily introductory and wood based. (This class combines IT 1 and 2.)

NATURAL RESOURCE SYSTEMS/WILDLIFE MANAGEMENT:

NATURAL RESOURCE SYSTEMS: (Bowder) 92813 10th-12th

During the fall semesters students will develop an appreciation for one of Nebraska's greatest resources, the great outdoors! Students work to identify native plant and animal species, learn about the environment and develop projects over a variety of Natural Resource systems. Throughout the fall students will spend time during class completing various hands on activities including soil and water sampling, owl pellet dissection, specimen harvesting and ID.

WILDLIFE MANAGEMENT: (Bowder) 92814 10th-12th

Wildlife is an important aspect of Nebraska's economy and great outdoors. We will delve into the Envirothon curriculum to ID and learn about fish/aquatics, forestry, animals, range, policy standards, and soils. Students will learn to identify pelts, skulls and tracks of various animals.

ANIMAL SYSTEM/LARGE ANIMAL MANAGEMENT:

ANIMAL SYSTEMS: (Coulfal) 921311 1st Semester 10th-12th

This course is animal systems focused and will begin with pasture and range management, which includes stocking rates. Anatomy and physiology of cattle, sheep, poultry, horse, and swine units will conclude first semester which includes livestock health, management practices, genetics, biotechnology and expected progeny differences.

LARGE ANIMAL MANAGEMENT: (Coulfal) 921312 2nd Semester 10th-12th

Following Animal Systems, the second semester begins with an intensive unit on livestock evaluation including sheep, goats, swine, cattle, and horses. The following unit is based on animal nutrition for the different production stages of all animals including production animals and pets. The final unit will be an in-depth discussion on animal rights versus animal welfare and how each affects the industry.

AGRICULTURAL PRODUCTS & PROCESSING/ AGRICULTURAL BIOTECHNOLOGY:

AGRICULTURAL PRODUCTS & PROCESSING: (Coulfal) 1st Semester 921201 10th-12th

Follow the journey that your food makes from the farm to the table! What effect does consumer preferences have on the production and processing of food? How is food marketed and prices? How do conventional and/or organic production methods affect the processing and marketing of food? Students will build a foundation of knowledge in agricultural products used for food.

AGRICULTURAL BIOTECHNOLOGY: (Coulfal) 2nd Semester 921202 10th-12th

Students in this class will utilize science and agriculture processes simultaneously to improve their knowledge of life processes in both plant and animal sciences. Students will use technology to improve their knowledge of changes in agriculture including, genetically modified organisms, growth processes, lab techniques, and genetics and physiology. Ethics of genetic engineering and cloning will be discussed.

PLANT, RANGE, AND GREENHOUSE SYSTEMS: 921411 & 921412 1 10th-12th

This class provides students hands on experience in plant production in crops, range plant and greenhouse varieties. Students will learn basic range plant identification, ecological sites then continue on to basic agronomic and plant sciences. With the newly constructed greenhouses students will develop a plan for conducting a spring plant sale putting to use the real world skills they develop!

AGRICULTURE CONSTRUCTION: 926001 & 926012 10th-12th

Open to students in 10-12th grades, this course replaces agriculture mechanics and teaches students a variety of hands on instruction including; Shop Safety, Basic Woodworking, Laser engraving, Electricity, Welding, and Plumbing. Students will be allowed to refurbish or work on agriculture mechanics related refurbishing and repair.

CAREER AND TECHNICAL EDUCATION (cont'd)

AG BUSINESS / AGRONOMIC MANAGEMENT:

AG BUSINESS: (Bowder) 92816 11th & 12th 1st Semester only

Ag Business involves life skills any student will use in his or her financial future including understanding key factors that attribute to crop/livestock plans, determine profitability with current market prices, have a real world feel of the cash grain market through the use of a grain elevator simulation and learn to stress test their virtual farms/ranches using scenarios that affect net profitability. The students will end the semester by developing a business plan for an entrepreneur business in which will be presented for a final project.

AGRONOMIC MANAGEMENT: (Bowder) 92815 11th-12th 2nd Semester only

In this course students will delve further into the agronomic industry by studying plant diseases, identification, nutrient and fertilizer production as well as pest identification and control. Students will learn the basic skills needed to prepare for a career in Crop Production or Agronomic Management.

AGRICULTURAL LEADERSHIP & AGRICULTURAL BUSINESS:

AG-LEADERSHIP: (Coulal) 929021 1st Semester 929022 2nd Semester 11th-12th

This course is focused primarily on the preparation of the student for post-graduation life through career readiness skills. Cover letters, resumes, and follow-up letters are created as well as participation in a mock job interview. Students will take an in-depth look into potential careers and how their strengths will benefit them in those careers. A major project of this course is completing a job shadow in a career that the student wishes to explore. Finally, students are required to present at least two formal presentations throughout the semester and reflect on Habitudes, images of leadership.

(Can be taken instead of "Communications" to fulfill the English Communications requirement). Only One Semester is required

AGRICULTURAL METALS & SMALL ENGINES: (Coulal) 921021 & 921022 11th-12th

This class is similar to IT 3, but adds the aspect of small engines and welding. Students will be able to utilize different welding processes including MIG, ARC, TIG, and O/A. Cutting processes using the torch and plasma cutter will also be utilized. In addition, students will be able to work on a variety of different agriculture metals projects to improve their welding processes in real world scenarios.

VETERINARY SCIENCE: (Coulal) 1st Semester Only 929141 11th-12th

This course will provide students basic knowledge of veterinary science. Medical terms, parasites, diseases, tools and animal biology will be covered in this course. Students will dissect various animal parts/species throughout this course concluding with the whole dissection of a fetal pig.

AG COMMUNICATIONS: (Bowder) 2nd Semester Only 929142 11th-12th

Consumer trends, agricultural research, visual aids, logos, marketing, and communicating in the agriculture industry are all aspects that will be covered in this course. Students will embrace their role in communicating the information that is important to agriculture and agriculture products through projects like brand development, advertising, creating a marketing plan for an agriculture product and finally identifying careers in agriculture

MISCELEANOUS CLASS OFFERINGS

STUDY HALL: 77001 & 77002

Students may only register for one Study Hall per semester. You will not earn credit hours for study hall. Students selecting study hall should be certain they have sufficient credits to fulfill graduation requirements

WORK RELEASE: A: 72901 & 72902 B: 72911 & 72912

Senior students may be given released time from school on a no-credit basis. Students selecting work release should be certain they have sufficient credits to fulfill graduation requirements. Work Release applications are available in the High School office. If taking two periods of work release they must be 1st & 2nd, 1st & 8th, or 7th & 8th periods. If taking one period of work release it must be 1st or 8th. You will not earn credit hours for Work Release.

TEACHER/OFFICE AIDE: A: 726021 & 726032 B: 726051 & 726062

Senior students may register as an aide either in the classroom, the elementary school, or an Administrative office. Permission must be given by the instructor, before registering as a teacher aide. Teacher aide permission forms are available in the High School Office. This grade will not be calculated in the GPA. But you will earn 5 hours credit per semester.

WORK EXPERIENCE: 73000 & 73002

Restrictions apply to this class. You must have administrative approval.

SUPPLEMENTAL COLLEGE OPPORTUNITIES

This class will be scheduled during a study hall or similar class etc.

All supplemental college courses require additional student and or parent obligations, which may include but are not limited to:

- The student/parent must determine if he or she has the qualifying scores to enroll in the course.
- The student/parent is responsible for registering and paying all tuition, fees, materials, books etc. associated with completing the course.
- The student/parent is responsible for providing their own computer as well as any technical support or software associated with completing the course.
- The student/parent is responsible for obtaining all course syllabi, materials, assignment lists, due dates, teacher contact information etc.
- The student/parent is responsible for obtaining information with regard to student services. (Examples: Study rooms, tutoring, teacher office hours etc.)
- The student/parent is responsible for obtaining all information regarding withdrawal or drop dates associated with the course.

INDEPENDENT COLLEGE CLASS: Semester 1 97051

Students will select this course/code if they are planning on taking a college course from Career Pathways (CCC), NCTA (Ag), or any other college course they may be interested in taking. Students will be assigned a study hall where they can work independently in order to complete the course. This class will count as 5 elective high school credit hours if the instructor is endorsed in 7-12 Education, but will not count towards a student's high school GPA.

INDEPENDENT COLLEGE CLASS: Semester 2 97052

Students will select this course/code if they are planning on taking a college course from Career Pathways (CCC), NCTA (Ag), or any other college course they may be interested in taking. Students will be assigned a study hall where they can work independently in order to complete the course. This class will count as 5 elective high school credit hours if the instructor is endorsed in 7-12 Education, but will not count towards a student's high school GPA.

COLLEGE RELEASE:

An attempt will be made to coordinate college classes in welding and drafting at the Grand Island Central Community College Campus.

Central Community College Career Pathways

The following courses are all online courses

See Mr. Van Pelt for further details.

What is a Career Pathway? Career Pathways provide students the opportunity to explore areas of career fields in greater depth and precision while still in high school. CCC has designed 11 Career Pathways to prepare students for high-skill careers in high-demand. St. Paul provides access to six of them through online courses. Career Pathways is a partnership between your high school and the college. Students are engaged in areas of interest and college level coursework. These programs provide flexibility for students to earn college credit while attending high school. Students may receive college credit, and high school elective hours, if the instructor is endorsed in 7-12 Education (not counted toward high school GPA) when taking program courses. CCC credits will apply towards a certificate, diploma and associate degree.

What will this cost me? Visit www.cccneb.edu/CollegeCosts for more information about tuition and fees. Students may have access to scholarship and foundation funding. Check with your school counselor or administrator regarding tuition assistance.

How will I benefit? Those students who complete 12 hours of CCC credit within the Career Pathways Program will then receive a scholarship for 12 more hours at CCC. These credits will be split over two semesters for full-time students enrolling at CCC within twelve months of graduating high school.

How do I register? Students will need to complete an 'Early College Registration' form before enrolling in any Career Pathway courses. These forms will be provided by a CCC representative or school counselor. Registered courses will reflect on your college transcript. CCC maintains transfer agreements with a number of colleges and has formal transfer agreements with several institutions. For more information on transferring credits go to: www.cccneb.edu/transfer.

Central Community College Career Pathways (cont'd)

Agricultural Science

Agricultural Concepts

AGRI 1030 - Intro to Ag & Nat. Resc.
AGRI 1260 - Intro to Precision Ag.
AGRI 1310 - Plant Science
AGRI 1350 - Plant Science Lab
AGRI 1700 - Animal Science

Drafting & Design Technology

Drafting & Design Technology

DSGN 1010 - Fundamentals of Design
DSGN 1020 - CAD Fundamentals
DSGN 1050 - Blueprint Reading for Industry
DSGN 1450 - Parametric Design: Inventor

Health Sciences

Pre-Nursing

ENGL 1010 - English Composition I
PSYC 2890 - Developmental Psychology
SOC1 1010 - Intro to Sociology
HLTH 1470 - Nutrition

Information Technology

Business Software

BTEC 1110 - Computer & Internet Library
BTEC 1570 - Desktop Publishing
BTEC 1710 - Word Specialist
BTEC 1720 - Excel Specialist
BTEC 1730 - PowerPoint Specialist
BTEC 1740 - Access Specialist

Business Technology

Graphic Arts Basic

MART 1200 - Electronic illustration
ARTS 1270 - Drawing 1
MART 1300 - Visual Design I
MART 1360 - Introduction to Graphic Arts

Media Arts

Information Tech. & Systems Concepts

INFO 1100 - Intro to Info. Tech. & Systems
INFO 1120 - Microcomputer Applications
INFO 1600 - IT Support
INFO 1670 - IT Essentials

NCTA Nebraska College of Technical Agriculture UNL @ Curtis

The following courses are online courses

See Mr. Bowder for more information or related agricultural courses.

1303 Animal Management
1103 Sales Communication

1253 Animal Nutrition
1213 Natural Resources Management