

Welcome to Chadron High!

Dear Students,

We are happy to provide you with the latest edition of the CHS Course Description Handbook. The handbook outlines the requirements necessary to graduate from CHS. It also contains course descriptions for the upcoming year. Please remember that courses offered are based upon STUDENT REQUESTS. If numbers are not sufficient, the class will probably not be offered. Because we schedule based upon the “numbers”, it is imperative that you carefully select your courses, and be prepared to stay in those classes once you are given a schedule.

So, how do you choose? We recommend signing up for courses based upon graduation requirements, teacher recommendations, interests and abilities, past achievements and post-high school plans. We would like you to utilize the career pathways recommended by the state, at www.nebraskacareerconnections.org. In addition, the American College Testing organization recommends that **“all high school students experience a common academic program, one that prepares them for both college and workforce training, regardless of their post-graduation plans.”** In other words, you need to develop skills for entering college and the workforce. You can accomplish this feat by enrolling in a rigorous and varied class schedule.

The CHS School Board adopted a new valedictorian selection policy in 2010. Effective with the class of 2012, students with a 4.0 GPA AND two AP courses will compete for the honor of Valedictorian/Salutatorian. Further details on the selection process are available in school board Policy 5127.1. Please stop by the Guidance Office if you need more specific information regarding the policy.

We will schedule individual appointments with each student, but ask that you review this document ahead of time and think about possible course requests. In addition, appointments with parents are always available. Chadron High School offers all vocational opportunities/courses without regard to race, color, national origin, sex or disability.

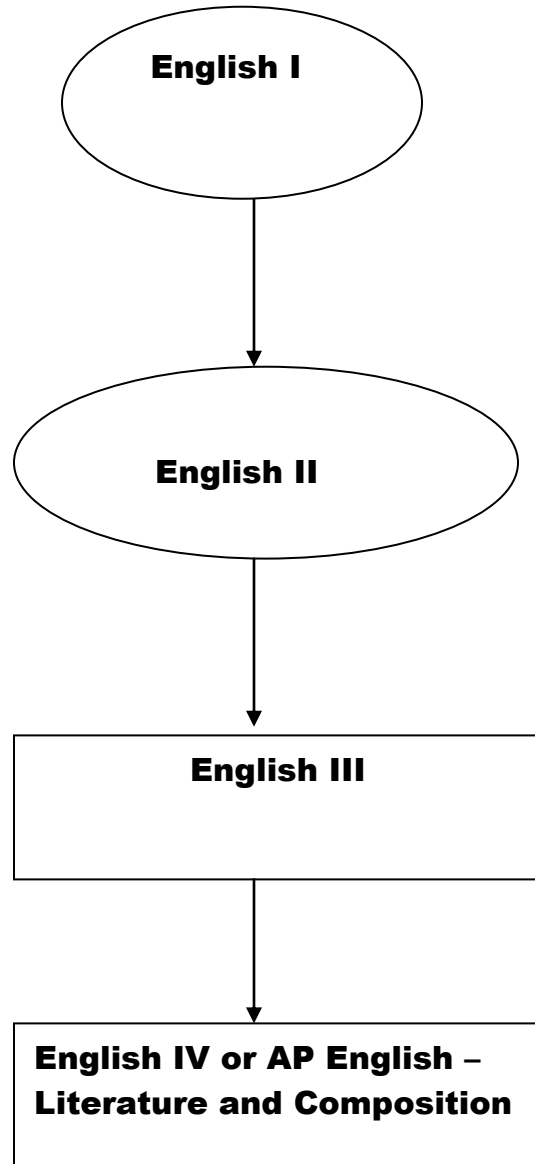
Lastly, have fun with the process! While we want you prepared for your future, please don't forget that high school is a time to explore new avenues.....try your hand at CADD, or Ceramics - you just might discover some hidden talents or interests.

Please feel free to stop by the Guidance Office at any time for assistance. It is our pleasure to be of service to you in any way we can!

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**English Department
(4 Years Required Coursework)**



Elective: **English Exploration (based on teacher recommendations, assessment data and attendance records)

English – Recommended Sequence of Classes

Community College, Tech School and/or Work

English I
English II
English III
English IV
**English Exploration

College Prep

English I
English II
English III
English IV
**English Exploration

College Preparatory Advanced Placement Option

English I
English II
English III
AP English – Literature and Composition

English-Related Careers

*Advertising Copywriter	*Library Technician
*College/University Faculty	*Public Relations Specialist
*Dramatist (Playwright)	*Radio/TV Announcer or Newscaster
*Editor	*Reporter/Journalist
*Educational Administrator	*Teacher
*Historian	*Technical Writer
*Lawyer	*Writer/Author
*Legal Assistant/Paralegal	*Librarian

Information courtesy of ACT

English - Course Descriptions

English I

Course Number: 10101 (Semester)
Credit 1.0
Elective/Required Required
Prerequisite: None
Grade Level: 9

This course includes furthering language arts, communication and writing skills; also, studying various types of literature written by world famous authors. Reading will be an ongoing requirement. Students will write using the 6 Traits of Writing model, review necessary grammar and usage, and become familiar with library skills.

English II

Course Number: 10301 (Semester)
Credit 1.0
Elective/Required Required
Prerequisite: English I
Grade Level: 10

This course focuses on elements of literature as found in short stories, novels, poetry, and drama. Writing assignments are often literature-based as well. The study of Greek, Roman, and Latin roots aid students in increasing their vocabularies. Independent reading of novels is required and is assessed by the Accelerated Reading program. Fulfilling requirements for the state test is a major part of classroom activities and involves researching a topic and taking notes, making outlines and works cited pages, and giving an oral presentation. End-of-the-year activities will include the study of a Shakespeare play.

English III

Course Number: 10801 (Semester)
Credit 1.0
Elective/Required Required
Prerequisite: English I and II
Grade Level: 11

This course is based on American Literature. It will be a combination of composition, novels and American Literature. Some novels will be discussed in depth in class. The student will continue to work on thesis statements, writing various types of essays for varying audiences. Many of these essays will be literature based. The student will write research papers using MLA style and one short story. There will be grammar review, six-trait review, and vocabulary drills.

English IV

Course Number: 10901 (Semester) or 00001 (Year)
Credit 1.0
Elective/Required Required (or AP English in place of English IV)
Prerequisite: English I, II and III, or equivalent
Grade Level: 12

This course involves the study of British authors, time periods, poetry and literature. The students will write essays and research papers, review grammar and six-trait writing skills, and vocabulary. Some British novels will be discussed in depth in class.

Advanced Placement (AP) English – Literature and Composition

Course Number: 11102 (Year)
Credit: 1.0
Elective/Required: In place of English IV (if student meets criteria)
Prerequisite: English I, II and III, plus three of the following:

1. ACT 25 or higher (in English or Reading)
2. Class rank of 20 or higher
3. Plan 20 or higher (in English or Reading)
4. OR, teacher recommendation

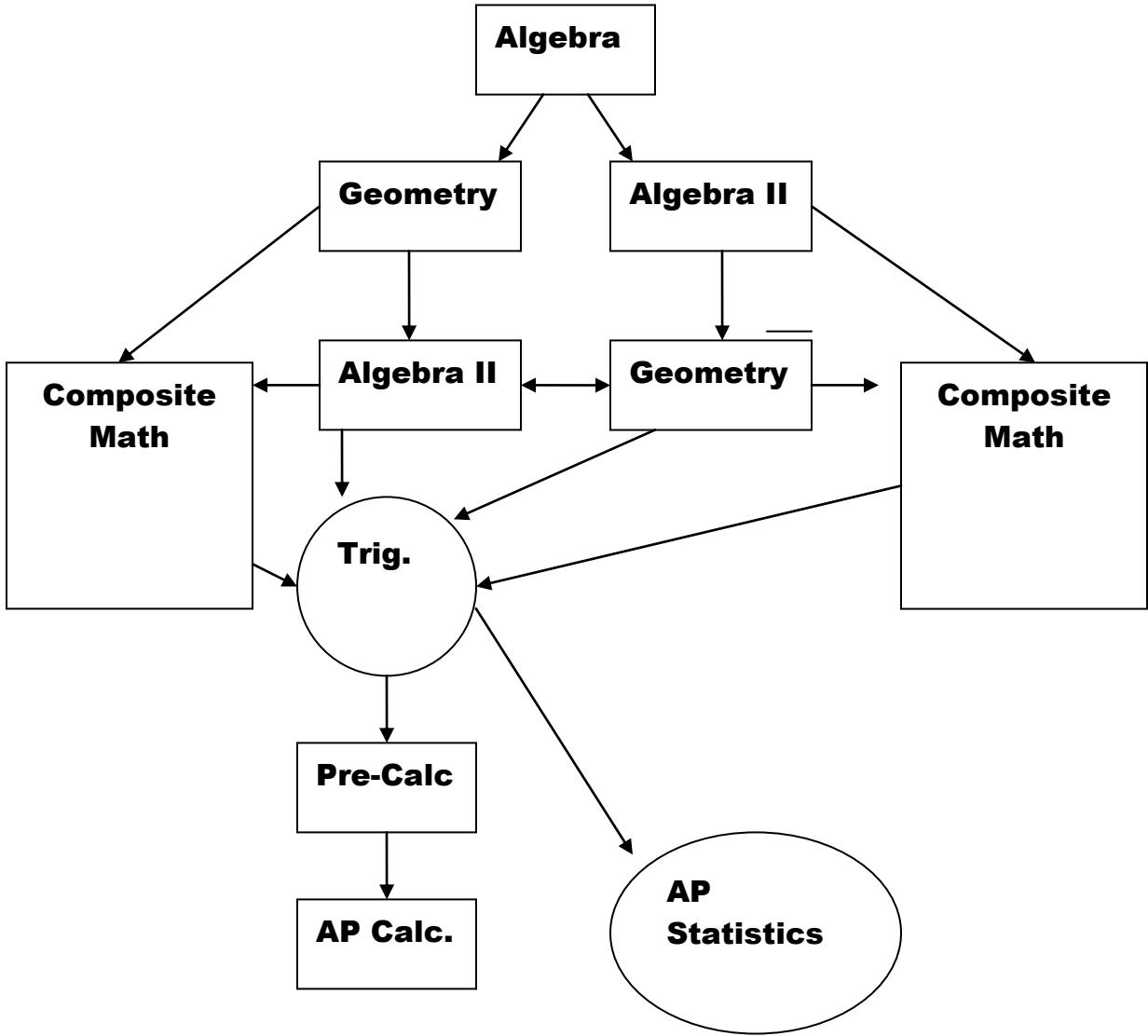
This is a college level literature and composition course, which involves both the study and practice of writing. Close reading and critical thinking will be emphasized. This is a fast-paced course, which will include some practice in taking the AP English test (cost to the student) to qualify for college credit.

English Exploration

Course Number: 10000 (Semester)
Credit: 1.0
Prerequisite: Teacher Recommendation
Grade Level: 9, 10, 11, 12
Max: 10 students

This course is for students desiring additional instruction in Reading/Writing. Students must be recommended by the instructor or parent in order to register for this class (teachers will look at past performance in English classes, assessment data and attendance records).

Math Department



Four years of math are HIGHLY recommended

Math – Recommended Sequence of Classes

Community College, Tech School and/or Work

Algebra I
Geometry
Algebra II
Composite Math

College Prep

Algebra I
Geometry
Algebra II
Composite Math
Trigonometry
AP Statistics
Pre-Calculus

College Preparatory Advanced Placement Option

Algebra I
Geometry
Algebra II
Trigonometry
AP Statistics
Pre-Calculus
AP Calculus

***Four years of math is HIGHLY recommended by the Math Department.
“Doubling-up” on math courses will allow students to progress farther in their math curriculum (not finish early)!

Math-Related Careers

*Accountant/Auditor	*Bank Teller
*Budget/Credit Analyst	*Programmer
*Systems Analyst	*Information Systems Manager
*Actuary	*Technician (Aerospace, Ag, Nuclear, Civil, etc.)
*Architect	*Engineering
*Physician	*Pathologist
*Audiologist	*Mathematician
*Health Administration	*Construction

Information courtesy of ACT

Math - Course Descriptions

Algebra I

Course Number: 20201 (Semester)
Credit 1.0
Prerequisite: Ability
Grade Level: 9, 10, 11
Max. Size: 16 students

The study of functions and equations is introduced. In addition, functions will be used as models for many real-world applications. Basic geometry concepts are connected to topics in probability and statistics and discrete mathematics. Students will be expected to study math history. There will be a focus on developing student abilities to reason numerically; to communicate by reading, writing, speaking, and listening to others; to model real-world problems mathematically; and to solve problems both individually and by working in groups. Students will use a graphing calculator extensively in solving problems and exploring functions. The calculator that is currently used is the TI-83 and TI-84 from Texas Instruments. A limited supply of these calculators is available for checkout. This class is considered the basic skills class for high school mathematics. Algebra I is part of these articulated programs of study: Business Technologies, Electronics Technology, Information Technology, and Radiologic Technology

Geometry

Course Number: 20601 (Semester)
Credit 1.0
Prerequisite: Algebra I
Grade Level: 9, 10, 11, 12
Max. Size: 16-18 students

Constructions using compasses will be covered as well as work with protractors, proofs, and formulas. Skill is developed in using formal logic and proof techniques. Project work will be a part of the class structure, as well as group work. Geometry is part of these articulated programs of study: Business Technologies and Radiologic Technology

Algebra II

Course Number: 20501 (Semester)
Credit 1.0
Prerequisite: Algebra I
Grade Level: 10, 11, 12
Max. Size: 16-18 students

The study of functions and equations is introduced. In addition, functions will be used as models for many real-world applications. Basic geometry concepts are connected to topics in probability and statistics and discrete mathematics. Students will be expected to study math history. There will be a focus on developing student abilities to reason numerically; to communicate by reading, writing, speaking, and listening to others; to model real-world problems mathematically; and to solve problems both individually and by working in groups. Students will use a graphing calculator extensively in solving problems and exploring functions. The calculator that is currently used is the TI-82 and TI-83 from Texas Instruments. A limited supply of these calculators is available for checkout. This class is considered the basic skills class for high school mathematics. Algebra I is part of these articulated programs of study: Business Technologies, Electronics Technology, Information Technology, and Radiologic Technology

Composite Math

Course Number: 20610 (Semester)
Credit: 1.0
Prerequisite: Algebra II
Grade Level: 11, 12

This course is for juniors and seniors who plan on attending college and who have completed Algebra, Geometry, and Algebra II. Topics include number theory, application of functions, logic involving a preview of trigonometry, statistics and combinations and probability. Calculators such as TI-82 and TI-83 will be needed to solve the various problems covered. The knowledge of mathematics strengthens the way we know, perceive and understand our surroundings. Problems will be done both individually and in groups.

Trigonometry/Algebra III

Course Number: 20701 (Semester)
Credit 1.0
Prerequisite: Algebra I, II, Geometry
Grade Level: 11, 12
Max. Size: 15-16 students

The following topics will be covered: Solving Equations, Roots & Powers, Polynomial Functions, Exponential & Logarithmic Functions, Laws of Sines & Cosines, Trigonometric Identities & Functions, Complex Numbers and Vectors. Applications to the real world will be introduced as frequently as possible. Students will use a graphing calculator extensively in solving problems and exploring functions. Algebra III/Trigonometry is part of these articulated programs of study: Radiologic Technology and Electronics Technology

Advanced Placement (AP) Statistics

Course Number:
Credit: 1.0
Prerequisite: Trigonometry, plus criteria listed below
Grade Level: 11, 12

This course is only offered during the spring semester.

*Must meet a criteria of **three of the four**: ACT Score of 25 or higher in Mathematics, 90th percentile on a norm-referenced test; top 20% of class and teacher recommendation. Parent and Student signatures on statement of understanding is requested.*

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- Exploring Data: Describing patterns and departures from patterns
- Sampling and Experimentation: Planning and conducting a study
- Anticipating Patterns: Exploring random phenomena using probability and simulation
- Statistical Inference: Estimating population parameters and testing hypotheses

Several sources are used to explore these four topics, but we'll rely most heavily on Stats – Modeling the World by Bock, Velleman and De Veaux, 2007.

Students who take the AP Statistics course are strongly encouraged to take the examination (which involves registration and a fee). Students who successfully complete the course and examination may receive credit, advanced placement, or both for a one-semester introductory college statistics course.

Pre-Calculus

Course Number: 21000 (Semester)
Credit 1.0
Prerequisite: Trigonometry/Algebra III
Grade Level: 12

Pre-calculus is a prerequisite for college calculus and AP Calculus. Students will use a graphing calculator extensively in solving problems and exploring functions. The content of this course will include reviewing the study of trigonometry, the use of matrices; the theory and use of polynomial, rational, exponential, and logarithmic functions; and some probability and statistics. Applications to the real world will be introduced as frequently as possible. Pre-Calculus is considered the basic skills class for most college mathematics courses (from technical school, to 2-year programs, to 4-year and university programs).

AP Calculus

Course Number: 21002 (Semester)
Credit 1.0
Prerequisite: Pre-Calculus, plus criteria listed below
Grade Level: 12

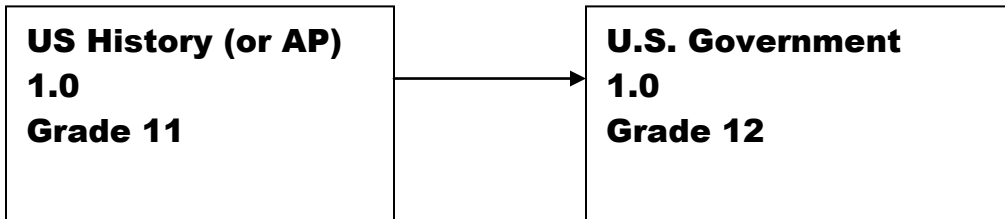
This course is only offered during the spring semester.

*Must meet a criteria of **three of the four**: ACT Score of 25 or higher in Mathematics, a class ranking of 20 or higher, Scores of 24/21/18 on UNL Placement Test; and Plan Test Score 90% or higher in mathematics. Parent and Student signatures on statement of understanding is requested.*

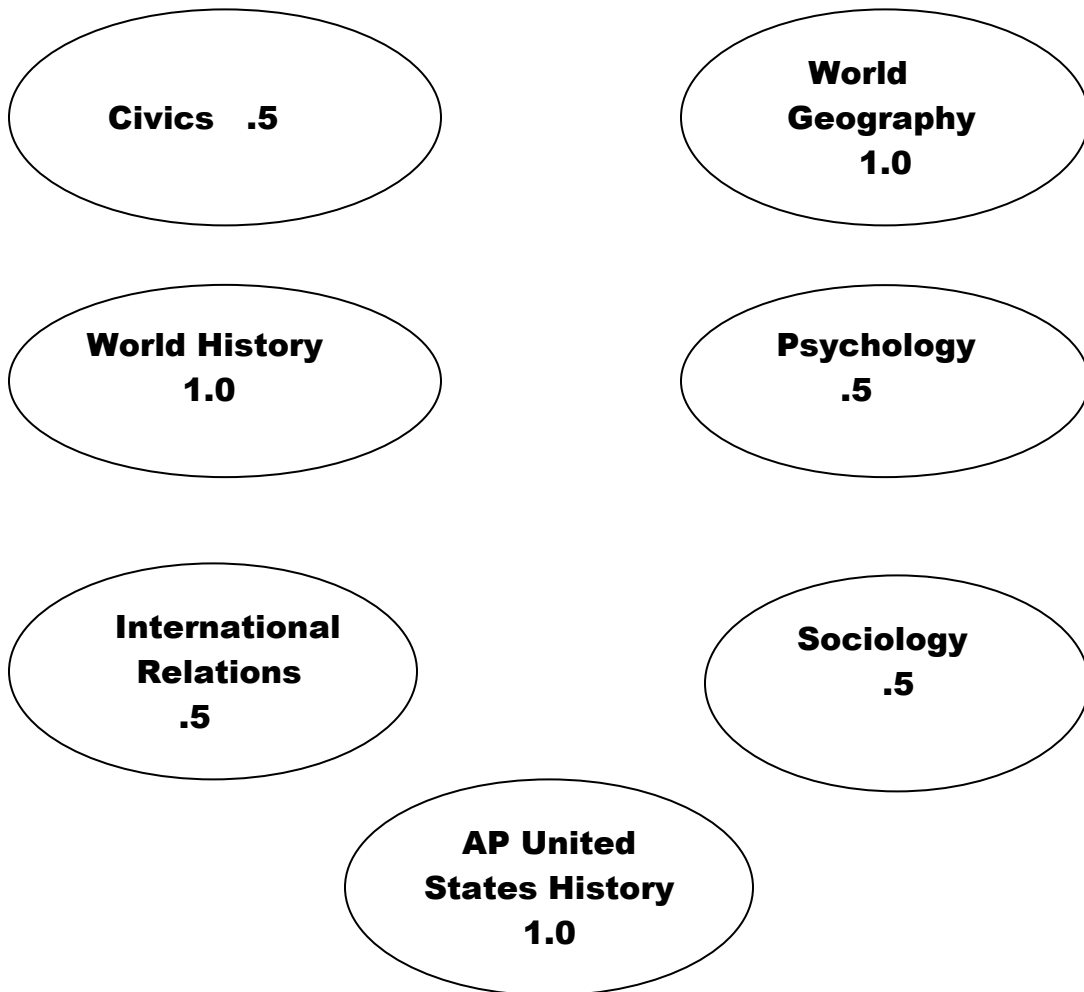
This is a very challenging Advanced Placement mathematics course. It is designed for those students who will need calculus in college/university **and who have achieved at a very high level in previous math classes**. The class would be useful for students who hope to pursue careers in medicine, engineering, mathematics, science, and business. A major goal of the course is to prepare students to take the Advanced Placement Calculus AB test, which is administered, nationwide in May. Students will use a graphing calculator extensively in solving problems and exploring functions. The calculator that is currently used is the TI-83 Plus and TI-84 from Texas Instruments. A limited supply of these calculators is available for check out.

Social Sciences Department
(Requirements: US History, US Government
and 1.0 Credit Elective)

Required Courses



Elective Courses



Social Studies – Recommended Sequence of Classes

Students must take US History (11th grade) and US Government (12th Grade). The remaining one credit may be chosen from any of the following electives: Civics, World Geography, World History, Psychology, Sociology, Economics or International Relations.

Social Studies-Related Careers

- *Anthropologist
- *College/University Faculty
- *Counselor (School/College)
- *Criminologist
- *Economist
- *Educational Administrator
- *FBI Agent
- *Foreign Service Officer
- *Geographer
- *Gerontologist
- *Historian
- *Human Resources Manager
- *Human Services Worker
- *Lawyer
- *Legal Assistant/Paralegal
- *Lobbyist
- *Market Research Analyst
- *Park Ranger
- *Parole Officer
- *Political Scientist
- *Private Detective/Investigator
- *Psychologist, Clinical
- *Recreation Leader
- *Reporter/Journalist
- *Social Worker
- *Sociologist
- *Teacher
- *Travel Guide
- *Urban Planner
- *Librarian

Information courtesy of ACT

Social Studies - Course Descriptions

World Geography

Course Number: 40101 (Semester)
Credit 1.0
Prerequisite: None
Grade Level: 9
Maximum 22

In the first unit, geographic concepts are introduced that will guide the student through seven regional units. In each regional unit, the student will learn about the region's geography, history, and traditions, economics and daily life, as well as the role of the region in the world today.

Civics

Course Number: 40205 (Semester)
Credit .5
Prerequisite: None
Grade Level: 9, 10
Maximum 22

Understanding our role, as citizens and participating in society will be the areas of focus. The foundations of the constitution and the constitutional period (1750-1790) will be studied. Emphasis will also be placed on state and local governments, the economy, and a brief section of civil liberties. Students will participate in some form of community service as well. Civics is part of this articulated program of study: Criminal Justice

World History

Course Number: 40301 (Semester)
Credit 1.0
Prerequisite: None
Grade Level: 10, 11, 12
Maximum 22

An elective course, World History will focus on the development of western civilization from ancient to modern times. Students will study many diverse topics, such as: geography's influences on cultures, the development of institutions like democracy and religion; how the revolution in science led to European exploration of Africa and the Americas. Students will engage in an archeological dig, conduct simulated trials, and stage historical debates. The goal is to develop a broader and more sophisticated understanding of the forces that have shaped the western world.

Psychology

Course Number: 40415 (Semester)
Credit .5
Prerequisite: None
Grade Level: 11, 12
Maximum: 22

This is a semester course that focuses on the individual and individual behaviors in a general sense. Theories of behavior, biological functions of the brain, psychological disorders, general human development and both historical and contemporary perspectives of psychology will be studied. This class is based on critical-thinking skills, and understanding why we make the choices we do. The goal is to gain a broad knowledge base of psychology. It is an upper level class with classroom demonstrations and experiments. Psychology is part of these articulated programs of study: Practical Nursing, Health Information Management Services, Criminal Justice, Cosmetology

Sociology

Course Number: 40815 (Semester)
Credit .5
Prerequisite: None
Grade Level: 11, 12
Maximum: 22

Individual and group behaviors, individual and group interaction, group structures, cross- cultural understanding, social class stratification, deviance and crime, and the various social institutions that mold the individual are topics of study. This is also a critical thinking course that is a good continuation of the psychology class – as it focuses on the individual – this class will look at those functions and apply it to a group setting. Sociology is part of this articulated program of study: Criminal Justice

International Relations

Course Number: 40603 (Semester)
Credit .5
Prerequisite: None
Grade Level: 11, 12
Maximum 22

The goal of the course will be to acquaint students with important issues of the times. Students will become more knowledgeable, and they will gain a better understanding of how their personal values affect their opinions of world events. Topics of study may include: US and International Systems in the 21st Century, US Interests in the Middle East, U.S. Response to Terrorism, United States and China, U.S. Immigration Policy, Global Environment Problems, Keeping the Peace: The U.S. Role in the international setting.

US History

Course Number: 40501
Credit 1.0
Elective/Required Required
Grade Level: 11
Maximum: 25

This survey course studies the American experiences from 1800 to 1975, with special emphasis given to the modern era. Students will study a wide range of topics, such as: the Cuban Missile Crisis, the civil rights movement; the tragic division that resulted in the Civil War; even the birth of rock and roll. Students will have the opportunity to research the past, engage in debates, and stage trials. The goal is that students will develop a greater understanding of the most significant forces shaping the American scene.

AP United States History

Course Number:
Credit: 1.0 (all year)
Elective/Required: Either
Grade Level: 11, 12
Maximum: 20

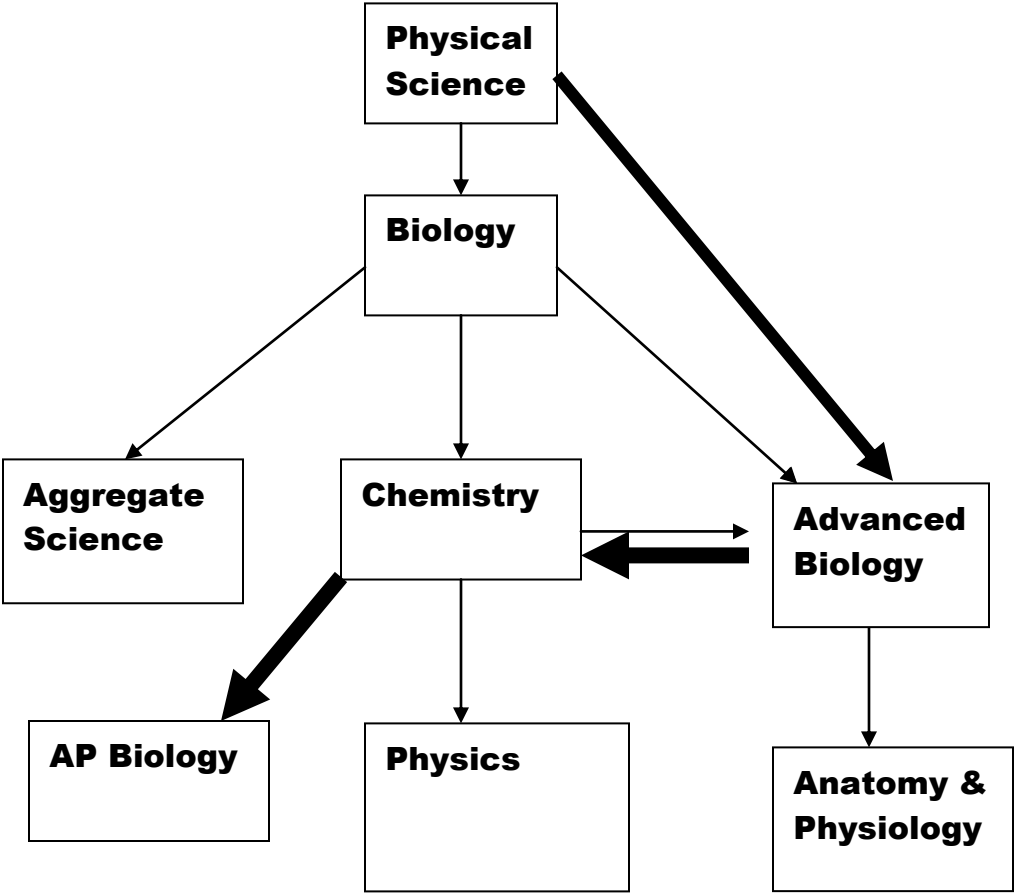
Advanced Placement United States History is a challenging course that is meant to be the equivalent of a freshman college course and can earn students college credit, if they pass the AP Exam. The course is a two-semester class that examines U.S. History from discovery to the present. The first semester covers the period from 1607-1877. The second semester is from 1877 to the present. The areas of concentration include historical, political, and economic history coupled with an intense study of cultural, social and intellectual institutions and their development. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents and historiography.

US Government

Course Number:
Credit 1.0
Elective/Required Required
Grade Level: 12
Maximum: 25

This course examines the constitutional basis of the American system of government using critical thinking skills. The origins of law, societal reactions to government, civil rights, citizenship and both civil and criminal law will be areas of focus. Other topics include: foreign policy/world affairs, political party formation, and an in-depth study of the Bill of Rights. A brief unit of "Street Law" may also be included.

Science Department



Minimum Science requirement: Three credits

Recommended sequence for AP Bio: Physical Science, Advanced Biology and Chemistry BEFORE the AP Biology class! (Bold track above)

Science – Recommended Sequence of Classes

Community College, Tech School and/or Work

Physical Science
Biology
Aggregate Science or an upper-level science course

College Prep

Physical Science
Plus any or all: Biology, Advanced Biology or AP Biology, Chemistry, Anatomy & Physiology, Physics

Natural Sciences Careers

*Aircraft Technician	*Ecologist	*Optometrist
*Animal Scientist	*Fish and Game Warden	*Pharmacologist
*Astronomer	*Food and Drug Inspector	*Physical Therapist
*Athletic Trainer	*Forester	*Physician
*Biochemist	*Funeral Director	*Physicist
*Biologist	*Geologist	*Physiologist
*Botanist	*Horticulturist	*Psychiatrist
*Broadcast Technician	*Medical Records Admin.	*Radiographer
*Chemist	*Medical Technologist	*Resp. Therapist
*Civil Engineer	*Meteorologist	*Speech-Lang. Path.
*College/University Faculty	*Nuclear Med. Tech.	*Teacher
*Dental Hygienist	*Nurse	*Veterinarian
*Dentist	*Occupational Therapist	*Zoologist
*Dietitian/Nutritionist	*Oceanographer	

Information courtesy of ACT

Science - Course Descriptions

Physical Science

Course Number: 30101 (Semester)
Credit 1.0
Prerequisite: None
Grade Level: 9
Maximum: 20

The Physical Science course is designed to provide an overview of the basic principles of physics and chemistry. In the course we will approach the study of these principles as applications to everyday experiences. The course will emphasize the hands-on and experimental approach whenever that is practical.

Physical Science is part of this articulated program of study: Criminal Justice

Biology

Course Number: 30201 (Semester)
Credit 1.0
Prerequisite: None
Grade Level: 10
Maximum: 20

Course work exposes the student to the fundamental concepts and principles of the biological sciences. Lecture and discussion formats are used extensively. Labs are limited due to enrollment numbers, but are incorporated whenever possible.

Students planning to take the AP Biology class may choose to skip Biology based upon STARS test scores and teacher recommendation. These students may progress directly to Advanced Biology.

Biology is part of these articulated programs of study: Cosmetology and Radiologic Technology

Aggregate Science

Course Number: (Semester)
Credit 1.0
Prerequisite: Physical Science and Biology
Grade Level: 11, 12
Maximum: 20

This course is designed for students who have not yet mastered the science standards to the Proficient Level by their junior year.

Advanced Biology

Course Number: 30401 (Semester)
Credit 1.0
Elective/Required Used to meet total requirement
Prerequisite: Biology (or "tested out" of Biology)
Grade Level: 10, 11, 12
Maximum: 20

Course work exposes the student to the fundamental concepts and principles of the biological sciences. Lecture and discussion formats are used extensively. Labs are limited due to enrollment numbers, but are incorporated whenever possible. Biology is part of these articulated programs of study: Cosmetology and Radiologic Technology

AP Biology

Course Number: 30400 (Semester)
Credit 1.0
Elective/Required Used to meet total requirement
Prerequisite: Advanced Biology and Chemistry (student who are planning to enroll in AP Biology may skip regular Biology, with teacher permission)

Grade Level: 11, 12
Maximum: 16

This course is designed to be the equivalent of a college introductory biology course, usually taken by biology majors during their first year. The course is designed to be taken by students after the successful completion of Advanced Biology and Chemistry. **Must meet eligibility criteria.**

Chemistry

Course Number: 30301 (Semester)
Credit 1.0
Elective/Required Used to meet total requirement
Prerequisite: Algebra II

Grade Level: 10, 11, 12
Maximum: 20

This is a college preparatory class in which we study the basic fundamentals of chemistry. Topics studied include unit cancellations, structure of the atom, chemical names and formulas, mole relationships, gases, solutions, acids and bases, and nuclear chemistry. We do labs as appropriate to the topic we are studying. Chemistry is part of this articulated program of study: Radiologic Technology

Anatomy and Physiology

Course Number: 30401 (Semester)
Credit 1.0
Elective/Required Used to meet total requirement
Prerequisite: Advanced Biology

Grade Level: 11, 12
Maximum: 20

This is an advanced level course focusing on the anatomical structure and physiological functions of the human organism. Comparative anatomy studies will be stressed in this molecular biological approach to the subject. Gross anatomy will be studied and will possibly include a trip(s) to CSC as well as other points of interest. Guest speakers may be invited to address the class from time to time. This course is vitally important for students planning to enter a health care related field as well as those pursuing further training in the biological sciences at the post secondary level. Anatomy/Physiology is part of these articulated programs of study: Cosmetology, Health Information Management Services, Practical Nursing, and Radiologic Technology

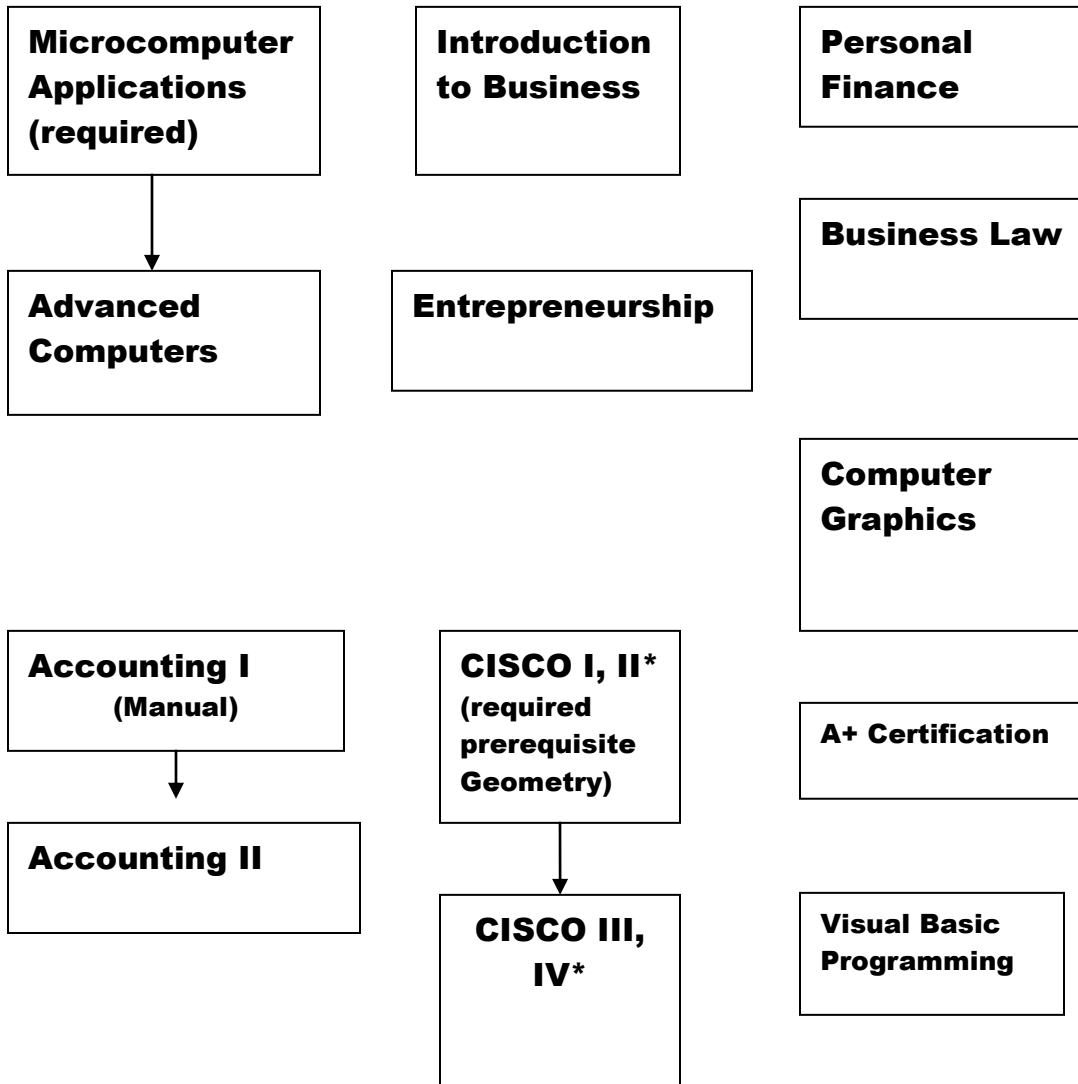
Physics

Course Number: 30501 (This course will generally be held Semester 2)
Credit 1.0
Elective/Required Used to meet total requirement
Prerequisite: Enrolled in or completed Algebra II

Trig and Physics may be taken concurrently
Grade Level: 11, 12
Maximum: 20

Physics involves the study of motion (cars, balls, planets, people, and other objects), the study of energy, heat, light, sound, and electricity. Physics is part of these articulated programs of study: Radiologic Technology and Electronic Technology

**Applied Arts
Business/Computer Department
(Requirement: Microcomputer Applications)**



***Students may receive dual credit from WNCC and CHS upon successful completion of the CISCO curriculum.**

Business – Recommended Sequence of Classes

The only required course in this department is Microcomputer Applications, which is generally taken during the freshman year. All other courses in this department are electives, but count towards the Applied Arts requirement.

Business-Related Careers

- *Executive
- *Purchaser
- *Specialty Manager (hotel, food svc.....)
- *Buyer
- *Retail Sales
- *Human Resources Manager
- *Recruiter
- *Job Analyst
- *Bank Teller
- *Tax Preparer
- *Court Reporter
- *Executive Secretary
- *General Manager
- *Agent (Real Estate, Insurance....)
- *Sales/Manufacturer's Rep.
- *Telemarketer
- *Recruiter
- *Interviewer
- *Accountant/Auditor
- *Budget/Credit Analyst
- *Ticket Agent
- *Clerk (Order, Billing, Hotel.....)

Information courtesy of ACT

APPLIED ARTS

Business - Course Descriptions

Microcomputer Applications

Course Number: 70102 (Semester or Year)
Credit 1.0
Elective/Required Required
Prerequisite: None
Grade Level: 9
Maximum: 15 (depending on room capacity)

Microcomputer Applications is a one-semester course designed to pursue proper keyboarding skills and learn the correct format for various reports and letters. Students will also be introduced to hardware, Publisher, Excel (spreadsheet), Access (database) and PowerPoint (presentation) software. The Internet is used for various class projects. Microcomputer Applications is part of this articulated program of study: Cosmetology

Advanced Computer Applications

Course Number: 70401 (Semester or Year)
Credit 1.0
Prerequisite: Microcomputer Applications
Grade Level: 10, 11, 12
Maximum: 15

This course is designed to show practical applications of different computer software. Topics covered will include design and upkeep of web pages, history of the WWW, Flash video, graphic editing, digital video editing, and advanced features of Microsoft Office Software. Software used will include Macromedia Flash, Macromedia Dreamweaver, Movie Maker, Publisher, Excel, and Word. Advanced Computer Applications is part of these articulated programs of study: Business Technologies, Electronics Technology, Health Information Management Services, Information Technology

Introduction to Business

Course Number: 70201 (Semester)
Credit 1.0
Prerequisite: None
Grade Level: 9, 10

This course is designed to provide comprehensive coverage of personal and business-related mathematics. In addition to reviewing the basic operations of arithmetic, students are prepared to understand and manage their personal finances, as well as grasp the fundamentals of business finances. Introduction to Business is part of these articulated programs of study: Business Technologies, Health Information Management Services, and Information Technology.

Entrepreneurship

Course Number: 70302 (Semester)
Credit 1.0
Prerequisite: None
Grade Level: 10, 11, 12
Maximum: 15
Room req: This course utilizes a computer lab

This course is designed for those students who are considering a career in business or those who plan to eventually own and operate their own business. Through this course, a student will achieve a good perception of what business is, how a business operates, and how to manage a business. Areas of concentration are the business and its environment, business ownership, business procedures, production and marketing, and finance. Each student or team will develop a written business plan. Business Principles & Management is part of these articulated programs of study: Business Technologies, Cosmetology, Health Information Management Services

Business Law

Course Number: 70702 (Semester)
Credit 1.0
Prerequisite: None
Grade Level: 11, 12

This course is designed to provide the students with a working knowledge of the U.S. legal system and how it affects the students in the realm of the business world. Topics covered will include the U.S. legal system, ethics, constitutional rights, criminal and civil law, contract law, consumer law, and employment law.

Personal Finance

Course Number: 70205 (Semester)
Credit 1.0
Prerequisite: None
Grade Level: 11, 12

This course is designed to empower students to make sound financial decision for life. Students will learn through the Dave Ramsey's Financial Peace for the Next Generation premier curriculum for teaching money management to high school students. The goal of this class is to equip students with the skills and knowledge needed to make sound financial decision for life. Topics included are savings, investments, taxes, money management and job searching skills, as well as skills in choosing insurance, cars, big purchases and housing.

Accounting I

Course Number: 70505 (Year)
Credit 1.0
Prerequisite: None
Grade Level: 11, 12

Students will begin learning a system of acceptable recordkeeping techniques for sole proprietorships, partnerships and small corporations. This class also encompasses many personal consumer skills. Accounting careers and job possibilities are explored. Accounting instruction is done both manually and on the computer. Accounting serves as an excellent background for many college business classes and a foundation for a variety of careers. Accounting I is part of these articulated programs of study: Business Technologies and Information Technology

Accounting II

Course Number: 70506
Credit: 1.0
Prerequisite: Accounting I
Grade Level: 11, 12

Students will develop advanced skills that build upon those acquired in Accounting I. The focus is on financial transactions of corporations, managerial accounting and cost accounting. Additional accounting skills such as reconciling uncollectible accounts, calculating notes and interest will be developed. Computerized accounting will be incorporated as an essential tool where resources are available. Accounting I and II may be taken to earn credit and/or advanced placement at Western Nebraska Community College.

A+ Certification

Course Number: 60704
Credit .5 (Semester)
Prerequisite: None
Grade Level: 10, 11, 12
Maximum: 15

A+ Certification assures employers and computer owners that a PC repair technician has the requisite knowledge to build, upgrade, troubleshoot, and repair personal computer systems. The A+ exam measures the ability and knowledge a PC technician has after six months of on-the-job, and hands on training. Certified PC technicians are always in great demand, so passing the A+ certification exams is well worth the time you spend preparing for the exams. This class is being designed to assist the student in studying for the exams. A+ Certification is part of these articulated programs of study: Electronic Technology and Information Technology

Visual Basic Programming

Course Number:
Credit: 1.0
Grade Level: 11, 12
Maximum: 12

This class is an introduction to Visual Basic Programming, in which the student will grasp a command of the basic programming language. This knowledge will then be used in the development of a simple role playing game, using many of the techniques of game designing.

This class requires problem solving skills, reading skills, dedication and self-discipline.

Cisco Networking I, II, III, IV

Course Number: 60701 (Two semester courses)
Credit 1.0
Prerequisite: A+ Certification and Geometry
Grade Level: 11, 12
Maximum: 12

Students will learn computer cabling, network design and administration. Upon successful completion of this course the student will be qualified to take a certification exam and join the workforce with professional competencies. Each student must be dedicated and committed to the program, and have a strong math background. Students will receive dual credit from CHS and WNCC (Western Nebraska Community College). CISCO Networking is part of this articulated program of study: Information Technology . Dual college credit may be earned at WNCC (reduced tuition).

Computer Graphics

Course Number: 90301 (Semester)
Credit 1.0
Prerequisite: Introduction to Art preferred
Grade Level: 11, 12
Maximum: 16 students (depending upon room capacity)

Explore and master the use of Adobe Photoshop. This software basically enables users to manipulate and add to imported images in a creative, professional manner. Emphasis will be on creating quality and artistic products as applicable to the commercial work field. Some opportunities to use Photoshop with student's original artwork will be considered. Anyone who works on a computer would benefit from this class. Computer Graphics is part of this articulated program of study: Information Technology

Applied Arts
Family & Consumer Science Department
(All Electives)

FCS 9

Foods

**Food
Service/Culinary
Arts I**

**Food
Service/Culinary
Arts II**

**Human
Development/Adult
Living**



Applied Arts: Family and Consumer Science Recommended Sequence of Classes

There are no required courses in this department. All classes listed are electives, but will count towards the Applied Arts requirement.

FCS-Related Careers

- *Cosmetologist
- *Home Health Aide
- *Social Services Director
- *Nurse
- *Dental Hygienist/Assistant
- *Secondary Teacher
- *Baker
- *Hotel/Motel Manager
- *Buyer
- *Food/Drug Inspector
- *Flight Attendant
- *Travel Guide
- *Social Worker
- *Home Economist
- *Geriatric Aide
- *Chef/Cook
- *Purchaser
- *Food Service Manager
- *Dietician/Nutritionist

Information courtesy of ACT

Applied Arts: FCS

Course Descriptions

FCS9

Course Number:	80111 (Quarter)
Credit	.5
Prerequisite:	None
Grade Level:	9
Maximum:	15-18

FCS9 is a comprehensive freshman course covering all areas of Family and Consumer Sciences in a practical and purposeful way. The course promotes positive self-concepts by making healthy, responsible decisions and provides hands-on learning opportunities in the areas of: Foods and Nutrition, Consumer Education and Personal Space. An independent living simulation is experienced which enables students to make financial and independent decisions and experience the effects of their choices.

Foods and Nutrition

Course Number:	80450 (Semester)
Credit	1.0
Prerequisite:	None
Grade Level:	11, 12
Maximum:	16

Foods and Nutrition is a semester course designed to help educate and empower students to attain a healthy nutritional lifestyle. The course has a strong nutrition and consumer emphasis paired with practical food preparation skills. Students will also use the scientific method as they study the biological and chemical basis of food and nutrition. Foods is part of this articulated program of study: Practical Nursing

Adult Living / Human Development

Course Number:	80201 (Semester)
Credit	1.0
Prerequisite:	None
Grade Level:	11, 12
Maximum:	15-18

Adult living is a course addressing the skills students need to make it on their own in today's world. The course deals with personality development, communication, interpersonal relationships and current social problems facing teenagers. Human Development is a course designed to bring child development and parenting concepts alive for students. This course addresses the responsibilities of parenting, caring for and nurturing children from the prenatal stages through preschoolers. Students will be given the opportunity to observe infants and children of different age levels.

Food Service/Culinary Arts I

Course Number:	(Semester 1)
Credit	1.0
Prerequisite:	Foods and Nutrition; MUST be taken with Food Service/Culinary Arts II
Grade Level:	11, 12
Maximum:	12

Students will be trained for career opportunities in the food service/culinary arts industry. Areas of study will include Kitchen and Food Safety; Measurement and Recipes; Quick Bread and Yeast Breads; Cakes/Frostings; Meats; Fruits; Italian Cuisine; Mexican Cuisine; Desserts; Salads; Cookies and a Quick Bread Sale.

Expectations of students: The student will know safety rules for working with food in the lab and pass a safety test before beginning to work in the lab. The student will explain and utilize techniques of measuring both liquid and dry ingredients. The student will identify equipment used in food preparation and demonstrate the proper use of the equipment. The student will demonstrate preparation techniques used to prepare foods from each unit covered.

Food Service/Culinary Arts II

Course Number: (Semester 2)
Credit 1.0
Prerequisite: Foods and Nutrition; MUST be taken with Food Service/Culinary Arts I
Grade Level: 11, 12
Maximum: 12

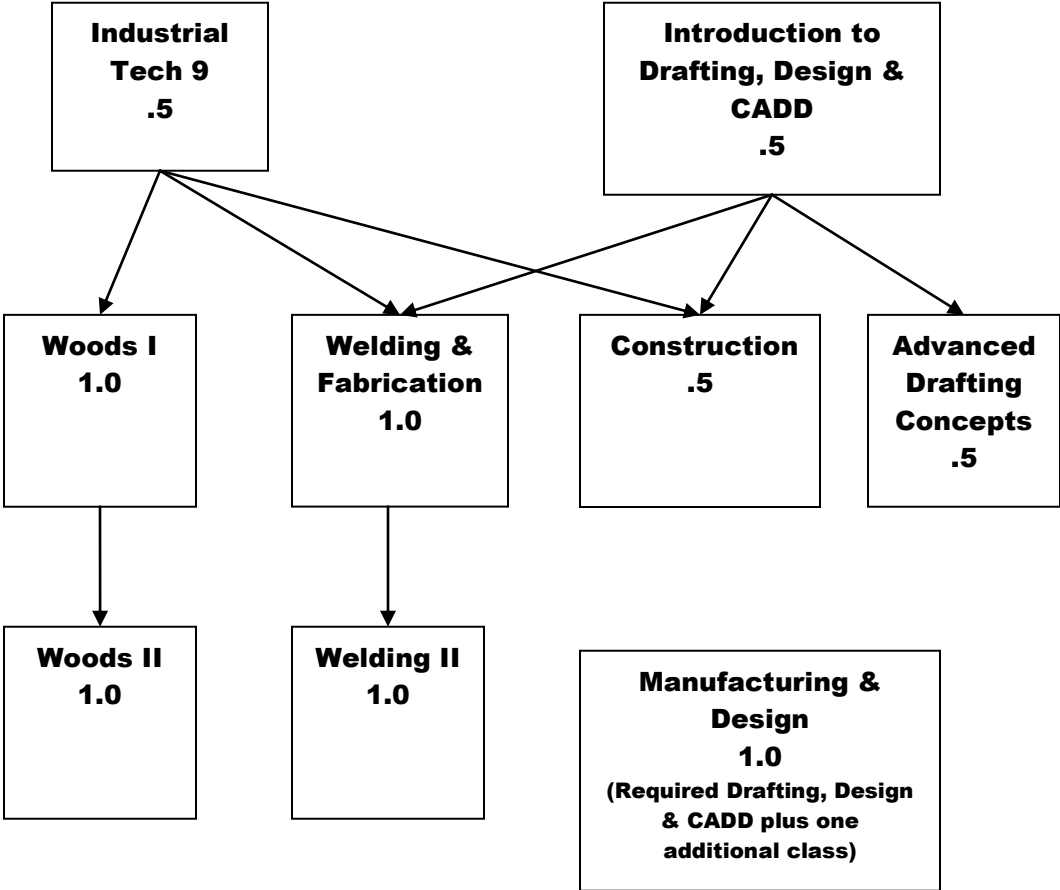
Students will be further trained for career opportunities in the food service/culinary arts industry.

This course will expand on the concepts learned in Food Service/Culinary Arts I as well as introduce new topics. Included are experiences related to basic knowledge of foods and food users, food purchasing, personnel relationships, marketing principles and practices and other aspects needed for identified areas of employment.

Areas of study will include a Catering Simulation, Cake Baking/Decorating, Chinese Cuisine, Menu Planning, Vegetables, Fish, Soups, Appetizers, Poultry and career opportunities in Food Service.

Expectations of students: The students will demonstrate skills from baking and decorating a variety of cakes. The student will have an understanding of the cultural food patterns and demonstrate preparation techniques for Chinese food. Using menu planning techniques, the students will prepare menus for a variety of situations. The students will demonstrate skills necessary for preparing vegetables, fish, soups, appetizers, quick breads and poultry. The students will research, plan and prepare catered dinners. The students will be aware of career opportunities in food service.

**Applied Arts
Industrial Technology Department
(All Electives)**



Applied Arts: Industrial Technology – Recommended Sequence of Classes

There are no required courses in this department. All classes listed are electives, but will count towards the Applied Arts requirement of two credits.

Industrial Technology-Related Careers

*Auto Technician	*Auto Body
*Carpenter	*Computer Network Technician
*Programmer	*Welder
*CADD Careers	*Computer Repair Technician
*Manufacturing	*Architect
*Drafter	*Construction

Information courtesy of ACT

Applied Arts: Industrial Arts

Course Descriptions

Industrial Technology 9

Course Number: 60111
Credit .5 (Quarter)
Prerequisite: None
Grade Level: 9
Maximum: 13

Students will experience an entry-level course exposing them to traditional and technical skills and principles used in our technical world today. The units covered in this class are safety, design and layout, fabrication. Self-discipline and the ability to work in groups and individually will help the student be more successful. Industrial Technology is part of these articulated programs of study: Automotive Technology, Autobody Technology, Business Technologies, Cosmetology, Criminal Justice, Health Information Management Services, Practical Nursing, and Information Technology

Introduction to Drafting, Design and CADD

Course Number: 60250
Credit .5 (Semester)
Elective/Required Elective
Prerequisite: None
Grade Level: 9, 10, 11, 12
Maximum: 30 (team-taught)

This is a new course, combining aspects of the previous Introduction to Drafting and CADD classes. Students will develop skills in the areas of technical drawing and design using the traditional method of drafting. Students will then be given the opportunity to apply these skills using the drafting program Auto-CADD 2007. Neatness, accuracy and promptness are personal skills that will be emphasized as well as technical development. The knowledge gained in this class will allow the students to branch into area of interest such as architectural drafting, 3-D drawing and mechanical drafting.

Advanced Drafting Concepts

Course Number: 60270
Credit .5 (Semester)
Prerequisite: Intro to Drafting, Design and CADD
Grade Level: 10, 11, 12
Maximum: 16

This course is a second level course following Introduction to Drafting, Design & CADD. The emphasis of this class will be residential, commercial and industrial design as well as introductory engineering concepts, while using the computer program Auto-CADD 2007 as a tool. Students choosing this class should have the desire to explore careers in the areas listed above. Students will also need to have the ability to work independently while applying drafting, design and math concepts. This class will involve some experience in gathering field notes to aid in the design of a project. This is a good class for those students interested in the areas of Architecture, Interior Design, Surveying and all areas of Engineering (Civil, Mechanical, Industrial, etc).

Welding and Fabrication

Course Number: 60401 (Semester)
Credit 1.0
Prerequisite: Industrial Tech 9 or Introduction to Drafting, Design & CADD
Grade Level: 10, 11, 12
Maximum: 12

Students will experience an entry-level course, which will expose them to traditional and technical skills and principles used in the manufacturing world today. Units in the area of welding will include safety, shielded metal arc welding, gas metal arc welding, oxyacetylene welding, cutting, and brazing. In the area of fabrication, students will gain knowledge of pattern design, sheet metal work, and computer generated design. Self-discipline and the ability to work individually will help the student to be successful. Welding and Fabrication is part of these articulated programs of study: Automotive Technology, Autobody Technology, and Aviation Maintenance

Welding and Fabrication II

Course Number:
Credit: 1.0
Prerequisite: Welding and Fabrication
Grade Level: 11, 12
Maximum: 12

This course offers a continuation of skill development in the Welding and Fabrication area.

Construction

Course Number: 60290
Credit .5 (Semester)
Prerequisite: Industrial Tech 9 or Introduction to Drafting, Design & CADD
Grade Level: 10, 11, 12
Maximum: 12

Students will gain hands-on experience in construction in the areas of framing, wiring, plumbing, drywall and finishing.

Woods I

Course Number: 60301 (Semester)
Credit 1.0
Prerequisite: Industrial Tech 9 or Introduction to Drafting, Design & CADD
Grade Level: 10, 11, 12
Maximum: 12

This is a course designed to expose students in the area of woodworking technology. We cover such areas as: safety, jointing, wood identification, gluing and clamping, sanding, finishing, project design and completion. This course is designed for anyone interested in woodworking.

Woods II

Course Number: 60305 (Semester)
Credit 1.0
Prerequisite: Woods I
Grade Level: 11, 12
Maximum: 12

This course allows the student to continue to gain skills and training in the area of woods. Students will be responsible for own project and cost of materials, etc. The instructor must approve the project.

Manufacturing & Design

Course Number:
Credit 1.0 (Semester)
Prerequisite: Intro to Drafting, Design & CADD plus one additional class in this area
Grade Level: 11, 12
Maximum: 12

This is an upper level class for students who meet the prerequisites for entering the class. Students will apply knowledge from previous classes to design and mass-produce various projects that would be applicable to higher level critical thinking and construction abilities. Students will be involved in all aspects of the manufacturing process including: design, cost estimation, selecting and contacting suppliers, selection of materials, manufacturing, advertising and sale of products.

Communication Arts
(Requirement: Speech
Remainder Are Electives)

Speech 9

Newspaper/Annual

Applied Arts: Communication Arts Recommended Sequence of Classes

There is one required course in this department: Speech 9 (generally taken in 9th grade). All classes listed are electives, but will count towards the Applied Arts Requirement of two additional credits.

Communication-Related Careers

- *Writer/Author
- *Movie-TV Director
- *Columnist
- *Ad Copywriter
- *Librarian
- *Music Composer
- *Reporter
- *Editor
- *PR Specialist
- *Interpreter

Information courtesy of ACT

APPLIED ARTS: Communication Arts

Course Descriptions

Speech

Course Number: 10211 (Quarter)
Credit .5
Elective/Required Required
Prerequisite: None
Grade Level: 9

This class focuses on the study of human communication in intra-personal and interpersonal contexts. You will develop the understanding and skills necessary for effective oral communication including public speaking, group discussion, interview and interpersonal communication. There will be special emphasis on effective listening skills, researching techniques, verbal/non-verbal communication and critical thinking skills. Speech is part of this articulated program of study: Cosmetology

Newspaper /Annual

Course Number: 55101 (Year)
Credit 1.0
Prerequisite: None
Grade Level: 10, 11, 12

This course may be taken more than once. It introduces the students to the world of newspapers and yearbooks. The history of yearbooks will complement the major units of study: yearbook personnel, anatomy of a yearbook, planning the yearbook, theme development, coverage and content, layout and design, writing copy, captions, headlines, proofreading and editing, typography, copy preparation, photography (digital and 35mm), management, teamwork, legal issues, and computer knowledge. The end result will be the publication of the yearbook and school newspaper. **COMPUTER LAB REQUIREMENT FOR THIS COURSE.**

**Fine Arts
Performing Arts
(All Electives)**

**Band
1.0**

**Concert Choir
.5 or 1.0**

**Basic
Guitar
.5**

**Performing Arts
Exploration
1.0**

Music courses may be taken more than once (with the exception of
Basic Guitar)

Fine Arts: Performing Arts

Recommended Sequence of Classes

CHS has a 1 credit requirement for the Fine Arts. This requirement may be satisfied by taking Band, Choir, Performing Arts Exploration or Art courses.

Fine Arts-Related Careers

- | | |
|---------------------------|--------------------|
| *Musician | *TV Announcer |
| *Dancer | *Music Composer |
| *Singer | *Movie/TV Director |
| *Secondary School Teacher | *Actor |

Information Courtesy of ACT

Fine Arts – Performing Arts

Course Descriptions

Band

Course Number: 33201 (Year)
Credit 1.0
Prerequisite: Junior High Band or Permission of the Instructor
Grade Level: 9, 10, 11, 12

The Chadron High School Band seeks to expand the musical knowledge of high school age students through performance of a wide range of musical works. The program utilizes performance practices to develop the tastes of tomorrow's music consumers while emphasizing such secondary skills as leadership, teamwork and disciplined effort.

Concert Choir

Course Number: 33501 (Year)
Credit 1.0
Prerequisite: Desire
Grade Level: 9, 10, 11, 12
Maximum: 60 students (each section)

This class meets daily all year. It is a great class for the accomplished singer as well as for someone who would like to learn. Students will learn sight singing and basic vocal techniques. Concert choir students perform in at least three concerts and represent our school at District Music Contest. A wide variety of music is performed from pop to classical, including both sacred and secular selections.

Basic Guitar

Course Number: 33202 (Semester)
Credit .5
Prerequisite: Ability to read music preferred
Grade Level: 9, 10, 11, 12
Maximum 10

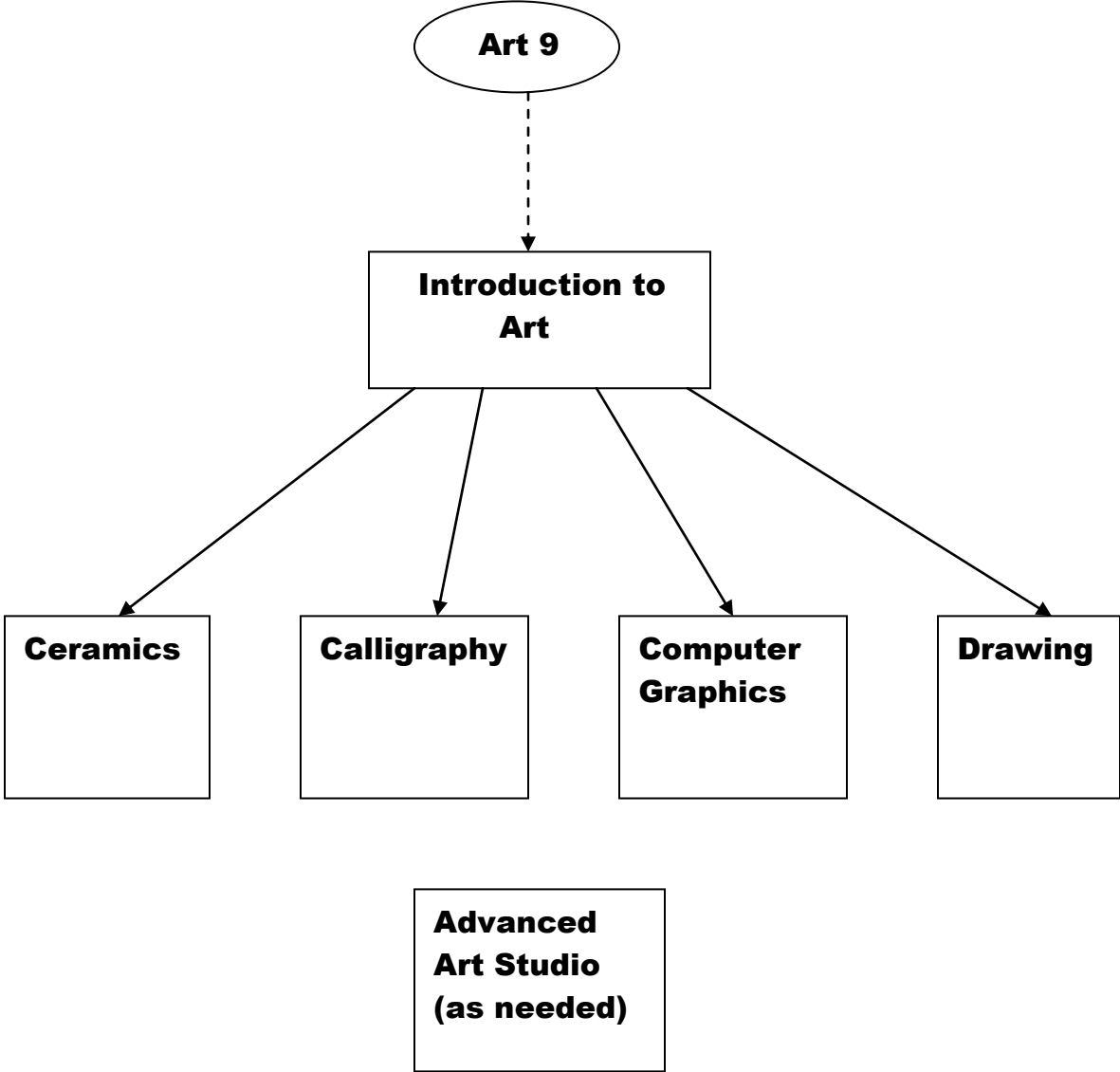
This class serves as an introduction to the basics of guitar. Students who have their own guitars are encouraged to use them. This course requires the purchase of a textbook (which you will keep); approximate cost \$20.00

Performing Arts Exploration

Course Number: 55101 (Year and/or Semester)
Credit 1.0
Prerequisite: None
Grade Level: 9, 10, 11, 12

This class consists of projects giving students a "hands on" experience in all aspects of theater: acting skills (students will be required to do performance in front of the class), scenic design, stage blocking, sound, lighting, makeup, costumes, monologues, duets, puppetry, etc. Students will also read a variety of plays that emphasize a variety of theater elements. At the end of the year, students will write their own play scripts with the opportunity to act and direct in these short scenes.

**Fine Arts
Art Department**



**Introduction to Art is a prerequisite for all other art courses
(unless student is a senior, in which case they are all open)**

Fine Arts: Art Department

Recommended Sequence of Classes

CHS has a 1 credit requirement for the Fine Arts. This requirement may be satisfied by taking Band, Choir, Performing Arts Exploration or Art courses.

Art-Related Careers

- *Artist
- *Photographer
- *Floral/Fashion/Interior Designer
- *Elementary/Secondary Teacher
- *Graphic Artist
- *Illustrator
- *Merchandise Displayer
- *Animator

Information courtesy of ACT

Fine Arts – Art Department

Course Descriptions

Art 9

Course Number: 90111 (Quarter)
Credit .5
Grade Level: 9
Maximum: 18 students

This course begins with an extensive drawing unit built around a study of William Henry Jackson (frontier artist). The areas of Pop Art, Impressionism, and Fauvism are also studied with art making activities that relate to those areas, including projects dealing with design aspects, printmaking and painting. At least one clay assignment will also be completed.

Introduction to Art

Course Number: 90210 (Semester)
Credit .5
Prerequisite: None
Grade Level: 10, 11, 12
Maximum: 18 students

An introductory style art class to explore the various media and begin to understand the creative process as it applies to design and making art. Historical styles, Abstract Expressionism, Op Art, the Renaissance, and Georgia O'Keefe are topics of study. Student's artistic assignments will contain structured activities including design, drawing, painting, sculpture, printmaking and clay. Introduction to Art is part of this articulated program of study: Information Technology

Ceramics

Course Number: 90401 (Semester)
Credit 1.0
Prerequisite: Introduction to Art
Grade Level: 11, 12
Maximum: 16 students

Students learn and master hand-built and wheel techniques. Some assigned products, but mostly individual studio setting to allow for exploration and development of skill in preferred are of interest. Low fire glazing techniques used, including Mojolica glazing. Mojolica is pre-glaze firing painting of colored stains onto raw glaze surface, traditionally ornate and detailed in design.

Calligraphy

Course Number: (Semester)
Credit .5
Prerequisite: Introduction to Art
Grade Level: 11, 12
Maximum: 18 students

Students learn and master the basic Italic alphabet and the use of square-nib pen. Other calligraphic lettering styles will be mastered. Application of learned activities will be demonstrated through some commercial art kinds of projects and activities.

Computer Graphics

Course Number: 90301 (Semester)
Credit 1.0
Prerequisite: Introduction to Art preferred
Grade Level: 11, 12
Maximum: 16 students (depending upon room capacity)

Explore and master the use of Adobe Photoshop. This software basically enables users to manipulate and add to imported images in a creative, professional manner. Emphasis will be on creating quality and artistic products as applicable to the commercial work field. Some opportunities to use Photoshop with student's original artwork will be considered. Anyone who works on a computer would benefit from this class. Computer Graphics is part of this articulated program of study: Information Technology

Drawing

Course Number: (Semester)
Credit .5
Prerequisite: None
Grade Level: 11, 12
Maximum: 14-16 students

Focus is the exploration of drawing utensils and techniques while developing student artistic skills. In depth instruction focusing on shading techniques and portraiture drawing will be provided. Other drawing activities will be assigned with some allowances for individual preferences and abilities. Some opportunity for painting assignments will be considered on per/class basis.

Advanced Art Studio

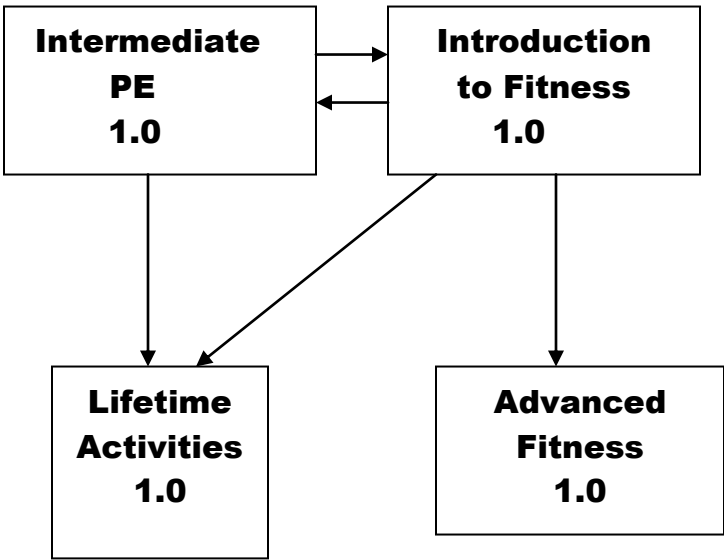
Course Number:
Credit: .5
Prerequisite: Permission of instructor
Grade Level: 12
Maximum:

Advanced Art Studio is open to seniors only and by permission of the Art teacher. It is advised that students have taken most of the art offerings. Prospective students would be required to meet with the art instructor and compile a written plan, stated in quantified language of what they plan to study/accomplish. Students will receive a grade based on completion and quality in meeting those written goals.

**Health and Physical
Education Department**

**PE 9
(required)
.5**

**Health 9
(required)
.5**



Health and Physical Education Recommended Sequence of Classes

There are three required course in this department: Health 9 and PE 9 (generally taken in 9th grade) and Intermediate PE (recommended for 10th grade). All remaining classes listed are electives.

Health/PE-related careers

- | | |
|-----------------------|-------------------------|
| *Physical Trainer | *Nutritionist |
| *Professional Athlete | *Sports Medicine |
| *Physical Therapy | *Military careers |
| *Law Enforcement | *Elem/Secondary Teacher |

Information courtesy of ACT

Health and Physical Education Course Offerings

Health - required

Course Number: 50111 (Quarter)
Credit .5
Prerequisite: None
Grade Level: 9
Maximum: 20

Health Education influences individual, family, and societal development, knowledge, attitudes and behavior and seeks the improvement of individual, family and community health. Health education helps individuals seek that which moves them toward optimal stages of wellness. The goal of this course is for students to gain an understanding of health and take steps in a positive direction to live a healthy life and make healthy decisions.

P.E. 9 - required

Course Number: 50211 (Quarter)
Credit .5
Prerequisite: None
Grade Level: 9
Maximum: 20

This course involves primarily team activities in which the student becomes familiar with the skills, rules and playing strategy of each activity through active participation. Physical fitness is incorporated into the activities offered.

Intermediate P.E. (either Intermediate P.E. or Intro to Fitness are required)

Course Number: 50401 (Sem)
Credit 1.0
Prerequisite: PE 9 and Health
Grade Level: 10, 11, 12
Maximum: 22

Intermediate Physical Education is a required PE class and is a prerequisite for Lifetime activities. It is recommended that sophomores be enrolled in this class. The class will focus on fitness development and some speed and agility training. The class will also focus the use of previously learned skills in a variety of individual and dual games in a competitive setting. New skills may also be introduced that students can carry on to the lifetime activities class. Intermediate P.E. is part of this articulated program of study: Criminal Justice

Introduction to Fitness (either Intermediate P.E. or Intro to Fitness are required)

Course Number: 50400
Credit: 1.0
Prerequisite: PE 9 and Health
Grade Level: 10, 11, 12
Maximum: 18

The Chadron High School Physical Education Program provides a wide variety of experiences that will enable students to develop a positive attitude toward health-enhancing physical activities and behaviors throughout their lifetime. Introduction to Fitness is a prerequisite for Advanced Fitness. In this class students will become familiar with the five components of physical fitness: Muscular Strength, Muscular Endurance, Aerobic Endurance, Flexibility and Body Composition. Students will gain knowledge of these components through various activities including: aerobic activities, running, Pilates, weight training, circuit training, stretching, plyometrics, speed training, agility training and fitness testing.

Lifetime Activities

Course Number: 50402
Credit 1.0
Prerequisite: Intermediate PE or Introduction to Fitness
Grade Level: 11,12
Maximum: 22

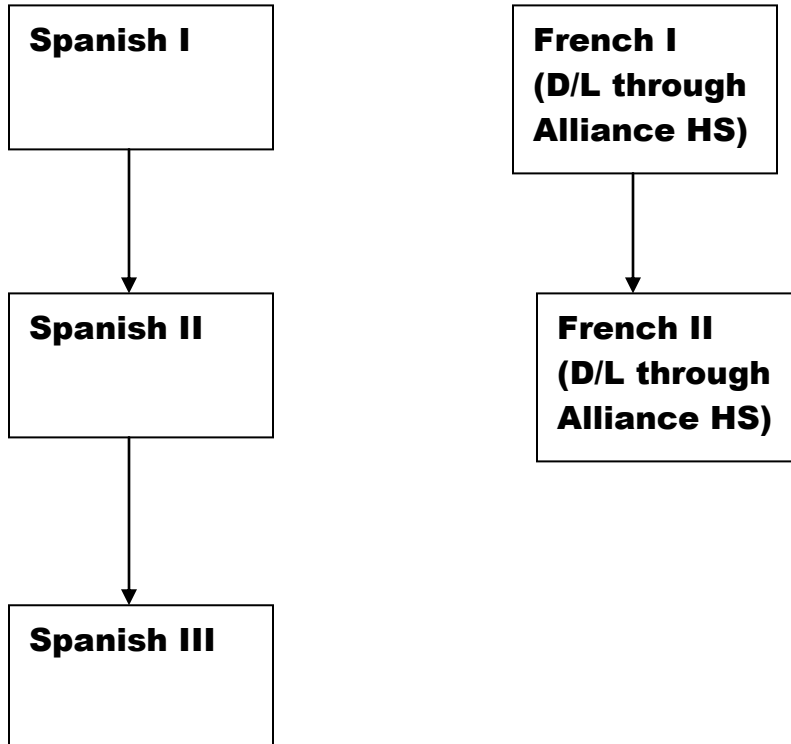
Lifetime Activities is a wellness class where the student will learn the importance of being physically fit in relation to his/her mental and physical well-being. The course offers sports for leisure time activities. Students also are responsible for a gym uniform of their choice that is acceptable to school dress code and suitable for physical activity. Possible units covered are tennis, golf, aerobic games, swimming, floor hockey, archery, table tennis, pickleball, racquetball, eclipse ball, fishing, orienteering, bowling, and badminton. Fees are charged for some of the activities or field trips.

Advanced Fitness

Course Number: 50407
Credit 1.0
Prerequisite: Introduction to Fitness
Grade Level: 11, 12
Maximum: 15

This course develops a basic understanding of creating and/or assessing healthy and safe exercise program(s) relative to the student's own personal goals and needs. In this course, students will become familiar with and incorporate the five components of physical fitness into their own individualized program. Students will gain knowledge of these components through various activities including: aerobics activities, running, Pilates, weight training, circuit training, stretching, plyometrics, speed training, agility training and fitness testing. **This class may be taken more than once, but students will receive no credit (after the initial session).**

**Foreign Language Department
(Recommended Only)**



Please check with your college or university to determine admission requirements in foreign language.

Foreign Language Recommended Sequence of Classes

There are no required courses in this department. However, some colleges and universities require two years of the SAME foreign language. Therefore, taking a foreign language is highly recommended.

Foreign Language-Related Careers

- | | |
|--------------------|----------------------------|
| * Law Enforcement | * Secondary School Teacher |
| * Nurse | * Interpreter |
| * FBI Agent | * Social Worker |
| * Travel Agent | * Archivist/Curator |
| * Flight Attendant | * College/Univ. Faculty |

*Information courtesy of ACT

Foreign Language – Course Offerings

Spanish I

Course Number: 22101 (Semester)
Credit 1
Prerequisite: None
Grade Level: 10, 11, 12
Maximum: 22

This course introduces the students to the elements of oral/written communication through textbook and workbook materials, as well as classroom discussion. This study includes Spanish grammar and an appreciation of the culture. Spanish I is part of these articulated programs of study: Criminal Justice, Health Information Management, Practical Nursing, and Radiological Technology.

Spanish II

Course Number: 22201 (Semester)
Credit 1
Prerequisite: Spanish I
Grade Level: 10, 11, 12
Maximum: 22

This course emphasizes advanced elements of oral/written communication through the textbook, workbook and reading materials, as well as classroom discussions. This study is an intensive study of Spanish grammar and an appreciation of the Spanish culture.

Spanish III

Course Number: 22303 (Semester)
Credit 1
Prerequisite: Spanish I and Spanish II
Grade Level: 11, 12
Maximum: 22

This course emphasizes advanced elements of oral/written communication through the textbook, workbook and reading materials, as well as classroom discussions in both Spanish and English. This study is a deeper look at Spanish grammar and a continued appreciation of the Spanish culture. Several Spanish novels, articles, and other materials are studied. **This may not be offered every year due to small number of requests, so please sign up NOW if you are interested!** Sufficient numbers are needed in order to offer the class.

French 1

Course Number: 22505 (Year)
Credit: 1
Prerequisite: None
Grade Level: 10, 11, 12
Maximum: DL Course

French I develops basic communication with simple phrases, simple questions and answers, simple descriptions of people and things, simple narration in the present with an introduction to past tense, and simple explanations as to why something is done. **This will be a D/L class offered through Alliance HS.**

French II

Course Number:
Credit: 1
Prerequisite: French I
Grade Level: 11, 12
Maximum: DL Course
Continuation of French I. **This will be a D/L class offered through Alliance HS.**

Possible Distance Learning Opportunities

These classes are worth .5 credit only (because they meet for 45 minutes only). If you are planning on graduating early, you should NOT take a D/L class.

Animal Science (Sioux Cty High School)

This class may seem redundant at first, but will start from the basics and work up to a higher level. There will be a lot of fun labs and material that will be beneficial if you plan on moving back to the ranch. You will learn all about animals and how they work.

- Breeds/Origin
- Reproductive Systems
- Different parts of the animals
- You will be able to A.I. both cattle and hogs effectively
- You will look at a real fetus and talk about the reproductive tract
- Livestock evaluation and reasons
- Good management practices
- How to administer shots correctly

This class will be graded on participation in lectures and labs. You will be required to demonstrate several practices for a grade. You will have written tests and pop quizzes. Offered to grades 11 and 12.

Equine Science (Sioux Cty High School)

This class may seem redundant at first, but will start from the basics and work up to a higher level. There will be a lot of fun labs and material that will be beneficial if you plan on moving back to the ranch. You will learn all about horses and how they work.

- Breeds/Origin
- Reproductive Systems
- Industry
- Anatomy
- Diseases
- Livestock evaluation and reasons
- Good management practices
- How to administer shots correctly
- Digestion and Nutrition
- Shoeing and hoof care
- Training you own colts
- Business aspects and career opportunities

This class will be graded on participation in lectures and labs. You will be required to demonstrate several practices for a grade. You will have written tests and pop quizzes. Offered to grades 11 and 12.

French I and II (Alliance High School)

Course Number: 22505 (Year)
Credit: 1
Prerequisite: None
Grade Level: 10, 11, 12
Maximum: DL Course

French I develops basic communication with simple phrases, simple questions and answers, simple descriptions of people and things, simple narration in the present with an introduction to past tense, and simple explanations as to why something is done.

Miscellaneous Learning Opportunities

College

Junior and senior level students are encouraged to take a look at CSC classes. Students are able to substitute a college class in place of a high school class; for example, a student could take 3 CHS classes and 1 CSC class each semester. Students are still required to have the necessary 28 credits to graduate from CHS and the college classes will NOT show on the high school transcript. Students are required to bring proof of enrollment to the Guidance Office and are responsible for choosing a college class **that does not interfere with their high school schedule**. Please stop by the Guidance Office for further information if you are interested in this opportunity. You will need a permission slip signed by both the Principal and Counselor before registering for CSC classes.

Students also have the opportunity to sign up for on-line courses through WNCC. WNCC offers ½ price tuition to high school students.

Basic Nursing Assistant Training

This course is designed to instruct students in becoming Basic Nursing Assistants. The course provides essential knowledge and skill to provide basic care and skills to residents/clients of health care facilities; including such topics as resident rights, communication, safety, observation, reporting and assisting residents/clients in maintaining basic comfort and safety. It is designed to meet the training requirements of the federal and Nebraska state law for nursing assistants working in licensed facilities. **This is a dual credit course. WNCC offers ½ price tuition to high school students.**

Medical Terminology

This course focuses on terminology used in the field of medicine. Specifically, it deals with the structure of words, including prefixes, suffixes, root and the rules for their combination. Some attention is given to pronunciation, spelling and usage. Terminology is drawn from several medically related subfields such as anatomy, pathology, diagnostic/surgical procedures and symptomatology. **This is a dual credit course. WNCC offers ½ price tuition to high school students.**

Medication Aide

This course is designed to instruct the experienced nursing assistant to assume the role of care staff member, who has a beginning knowledge of medication administration and pharmacology. Upon completion of the course, the student will be eligible to sit for an exam administered by the Department of Health. Successful completion of this exam will approve the student as a care staff member. **This is a dual credit course. WNCC offers ½ price tuition to high school students.**

NEBRASKA EDUCATIONAL VIRTUAL ACADEMY

Dual Credit Calculus

- This course is taken in one college semester in a traditional face to face setting. The Dual Credit online class will be taken over the course of a high school year and, upon successful completion, the student will be granted one semester of college credit.
- Units of study include: Limits and Continuity, Derivatives, Applications of Derivatives, Integrals, and Applications of Definite Integrals. The course begins with a fairly lengthy Pre-Calculus Review of the math topics that are necessary for success in Calculus. (The most common error in calculus is applying algebra rules incorrectly!)
- Pre-requisites: In order to register for this class, you must have posted minimum scores on either the ACT or the Asset/Compass.
- Costs incurred by the student:
 - The required textbook - \$207.50 – NEW –or- \$155.75 – USED
 - The recommended Student Solutions Manual - \$59
 - Tuition and Matriculation fees – WNCC presently offers high school dual credit students ½ price in-state tuition

NEVA BIOLOGY: Semester I

NEVA Biology will introduce students to the grand sweep of life on Earth and provide them with a basic understanding of the processes that shape and sustain it. Students will learn about the ecological ties that bind organisms to one another and to their environment and explore the promising, perilous dance of humans and nature. Topics include Concepts and Methods in Biology, Biology the Science of Life, Requirements of Life, Cellular Organization, Tissues, Organs, and Systems, Cellular Energy, Energy Transformations, The Life of a Cell, Mitosis, Meiosis, Mendel Inheritance, Genetic Code and Genetic Engineering. Learning through independent reading, videos, labs and application of attained knowledge are key elements that equal success in this course. It is an interactive, online course that requires dedication, time management, and motivation.

NEVA BIOLOGY: Semester II

NEVA Biology II will introduce students to the grand sweep of life on Earth and provide them with a basic understanding of the processes that shape and sustain it. Students will learn about the ecological ties that bind organisms to one another and to their environment and explore the promising, perilous dance of humans and nature. Topics include Darwin Evolution, Origin of a Species, Taxonomy, Microorganisms, Plants, Animals, Ecosystems, Energy Transfer In Communities, Population Ecology, and Biomes of the world. Learning through independent reading, videos, labs, and application of attained knowledge are key elements that equal success in this course. It is an interactive, online course that requires dedication, time management, and motivation.

NEVA PHYSICAL SCIENCE: Semester I

NEVA Physical Science is an integration of chemistry, Earth Science, and space science and applied mathematics that emphasizes the important connections between these subjects. Through short readings and computer simulations students will learn standards-based concepts in physical science. First semester we will begin with an introduction to science. A few of the topics students will investigate are as follows: matter, states of matter, atoms, the periodic table, chemical reactions, forces and waves. Learning through independent reading, video labs and application of attained knowledge are key elements that equal success in this course. It is an interactive, online course that requires dedication, time management and motivation.

NEVA PHYSICAL SCIENCE: Semester II

NEVA Physical Science II is an integration of chemistry, physics, earth science, space science and applied mathematics that emphasizes the important connections between these subjects. Through short readings and computer simulations students will learn standards-based concepts in physical science. Second semester we will begin with Solutions. A few of the topics students will investigate are as follows: Acids, Bases and Salts, Nuclear Changes, Motion, Forces, Work and Energy, Heat and Temperature, Waves, and Sound and Light. Learning through independent reading, video labs and application of attained knowledge are key elements that equal success in this course. It is an interactive, online course that requires dedication, time management, and motivation.

GEOMETRY

This Geometry course is a comprehensive introduction to geometric concepts including the basic elements of geometry, proofs, angles, parallel and perpendicular lines, the coordinate plane, triangles, quadrilaterals, polygons, circles, congruence and similarity, surface area, volume and transformations. Technology is used throughout the course to demonstrate understanding of a topic as well as present the study of geometry in an interesting and interactive environment.

Algebra 1A

This is the first semester of an Introductory Algebra course. Lessons are computer-based and interactive. Grades are based on completed homework assignments, tests and discussion board participation. Online courses require students

to be self-motivated and willing to communicate with the instructor and other students frequently throughout the course in order to be successful.

Topics covered include: real numbers, simplifying expressions, solving equations, inequalities and absolute values, and graphing equations.

Algebra 1B

This is the second semester of an introductory Algebra course. Students must have successfully completed the first semester of an Algebra course before attempting this course. Lessons include the following topics: graphing inequalities, slope, exponents, monomials, polynomials, factoring, systems of equations, and quadratic equations. Lessons are interactive and grades are determined through homework assignments, tests, and discussion board participation. As with Algebra 1A, this course requires students to be self-motivated and willing to communicate with the instructor and other students frequently throughout the course in order to be successful.

English 9A

Students will explore components of fiction, non-fiction, and poetry through short readings. Along with literary terms and interpretation of text, students will become familiar with new vocabulary and will master formal paragraph in preparation for formal essay structure. The written work will include but is not limited to descriptive, classification, compare/contrast, persuasive, biographical narrative, sonnet, haiku, and free verse. Integrated with the literature and writing will be information and practice for grammatical rules in written and spoken communication. Students will use selected readings, videos, and Internet-based resources during this course.

English 9B

Pre-requisite: Completion of first semester English 9.

Students will focus on the characteristics of a non-fiction novel and the characteristics of drama. Along with literary terms and interpretation of text, students will become familiar with new vocabulary and will apply knowledge of paragraph structure to develop structured five-paragraph essays including but not limited to persuasive, compare/contrast, expository, and cause/effect. Integrated with the literature and writing will be information and practice for grammatical rules in written and spoken communication. Students will use selected readings, videos, and Internet-based resources during this course.

English 10A COURSE DESCRIPTION

Pre-requisite: Completion of English 9

Students will focus on the characteristics of a fiction, non-fiction, and poetry through short readings. Along with literary terms and interpretation of text, students will become familiar with new vocabulary and will write structured essays with formats including but not limited to cause/effect, classification, persuasion, and compare/contrast. Integrated with the literature and writing will be information and practice for grammatical rules in written and spoken communication. Students will use selected readings, videos, and Internet-based resources during this course.

English 10B COURSE DESCRIPTION

Pre-requisite: completion of English 9

Students will focus on the characteristics of a non-fiction novel and the characteristics of drama. Along with literary terms and interpretation of text, students will become familiar with new vocabulary, will write structured essays, and will complete a research-based writing assignment. Integrated with the literature and writing will be information and practice for grammatical rules in written and spoken communication. Students will use selected readings, videos, and Internet-based resources during this course.

English Elective: Contemporary Literature

Grade Level 11-12

This upper-level one-semester course will require students to be reflective readers who can make evaluative judgments about texts within and across genres. Students will analyze how literature affects cultures, society, and individuals; and they will demonstrate how literature can be taken beyond its literal level through analysis, interpretation, synthesis, and generalization. This course will use three novels (*The Kite Runner* by Khaled Hosseini, *The Five People You Meet in Heaven* by Mitch Albom, and *Into the Wild* by Jon Krakauer) and other accompanying short stories, poetry, and informational text to create diverse perspective about the literature.

US History: Semester I

This class will cover the following broad topics: Gilded Age, Urban Nation, Reform, and Imperialism. Students will take a virtual journey back in time to learn about a variety of topics including the influence of political machines, the effect of immigration on various parts of the country, and the role of women and minorities in the early 1900's. Students will use selected readings, videos, and Internet-based resources during this course. A variety of Web 2.0 tools will be used to engage students and help them share their learning experiences while developing 21st century skills.

To be successful in this class, students need to be organized, disciplined, and motivated. Students must also possess the skills to work and learn independently while being part of a learning community. Students are expected to be active

participants in our learning community by posting to discussion forums, communicating on a weekly basis with their instructor, and collaborating with other students when necessary.

US History: Semester II

This class will cover the following broad topics: US Imperialism, World War I and the Roaring 20's, The Great Depression, and World War II. Students will take a virtual journey back in time to learn about events like the Spanish-American War, the Red Scare, Prohibition, the New Deal, Japanese internment, and the aftermath of World War II. Students will use selected readings, videos, and Internet-based resources during this course.

To be successful in this class, students need to be organized, disciplined, and motivated. Students must also possess the skills to work and learn independently while being part of a learning community. Students are expected to be active participants in our learning community by posting to discussion forums, communicating on a weekly basis with their instructor, and collaborating with other students when necessary.

World History: Semester I

This class will cover the following broad topics: Muslims, Byzantines, Russians, Turks, and European Middle Ages. During this semester students will learn about the origins of Muslim culture and religion as well as feudalism in Europe, and the age of knights. Students will use selected readings, videos, and Internet-based resources during this course. A variety of Web 2.0 tools will be used to engage students and help them share their learning experiences while developing 21st century skills.

To be successful in this class, students need to be organized, disciplined, and motivated. Students must also possess the skills to work and learn independently while being part of a learning community. Students are expected to be active participants in our learning community by posting to discussion forums, communicating on a weekly basis with their instructor, and collaborating with other students when necessary.

World History: Semester II

This class will cover five broad topics of World History: The Formation of Western Europe, European Renaissance and Reformation, The Age of Exploration and Isolation, and The Enlightenment and Revolution, and Societies and Empires in Africa. Through selected readings, multimedia presentations, and Internet-based inquiry students will learn about the Crusades, Bubonic Plague, feudalism, European exploration, and the scientific revolution.

To be successful in this class, students need to be organized, disciplined, and motivated. Students must also possess the skills to work and learn independently while being part of a learning community. Students are expected to be active participants in our learning community by posting to discussion forums, communicating on a weekly basis with their instructor, and collaborating with other students when necessary.

World Studies (1 semester)

This exciting and interactive class will explore the following regions of the world: Europe, Latin America, South Asia, Africa, and Southwest Asia. Students will explore the physical geography, culture, politics, and current events of these regions. A variety of multimedia resources will be used to deliver the content for this class.

Microeconomics

This class will cover basic concepts related to the student's role as consumer, producer and citizen. Topics to be covered include personal economic decision making concepts, supply and demand, production and cost analysis, the use and limitations of resources, the economic cycle and the role of government as it relates to the individual.

Macroeconomics

This class will focus on the economy in the aggregate. Topics to be covered include money and banking, Gross Domestic Product, economic growth and the importance of international trade. Comparison of different market economies and discussions of historical schools of thought will be included.

Developing Digital Literacy Through Use of Digital Tools (1 semester)

This course is designed for digital natives who are comfortable using technology, but who haven't quite figured out how to use these tools beyond their social aspect. During the semester students will create a digital portfolio of their work and be shown numerous examples of how each tool and skill can be used to their benefit now and beyond high school.

This course is designed to help students become digitally literate 21st Century students. Through the use of digital (Web 2.0) tools they will create, remix, publish, communicate, collaborate, and share information. This course includes the following units: Creating a Google Site, How to Get Organized Using Gmail and Google Calendar, Digital Citizenship, Blogging, RSS and Alerts, Proper Search in Google, Social Bookmarking, Visual Presentations, Google Earth and Maps, Podcasting, and Video Production. There is also a unit that is more for fun which takes a look at some of the very cool things that can be accomplished using Google.

Name _____

Sample Freshman Schedule (total of 8 credits needed)

<u>English</u> REQUIRED English I 1.0 Plus English Exploration 1.0 (if recommended by teacher)	<u>Math</u> REQUIRED Algebra I 1.0 or Geometry 1.0	<u>Science</u> REQUIRED Physical Science 1.0	<u>Microcomputers</u> REQUIRED Microcomputer App's (1.0)
<u>Quarter Classes – Required (2 credits)</u> Health 9 (0.5) PE 9 (0.5) Speech 9 (.5) Plus one of the following: Art 9, Ind Tech 9 or FCS 9		Plus 2 credits of courses selected from the list below:	
<u>Fine Arts</u> If desired:	<u>Applied Arts:</u> If desired:	<u>Social Studies</u> If desired:	

Band 1.0 Basic Guitar 0.5 Concert Choir 1.0 Concert Choir 0.5 Performing Arts Expl. 1.0	Intro to Business 1.0 Drafting 0.5	Civics 0.5 World Geography 1.0	
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For example, student would need:

- English (1 credit)
- Algebra or Geometry (1 credit)
- Physical Science (1 credit)
- Microcomputers (1 credit)
- Health, Speech, PE plus one additional quarter class (total of 2 credits)

6 credits required

Student can fill up the remaining two credits with courses of their choosing.

THIS SHEET DOES NOT SHOW WHEN THE CLASSES OCCUR – THESE ARE REQUESTS ONLY. The master schedule has yet to be built for 2011-12.