

Crete High School

2026 - 2027
Course Catalog

Crete High School
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INTRODUCTION

Planning For Your Future

Educational planning is studying and choosing potential career areas, choosing training levels beyond high school, and choosing courses during high school. The courses you choose affect opportunities for future careers and education as well as your enjoyment of lifelong activities in fine arts, recreation, technology literature, and agriculture etc.

Course planning is not a one-time thing, but a process that continues throughout your four years. Prepare your plan carefully with your parents and your counselor, and review it periodically, especially if your goals change. This booklet is your manual for preparing your educational plan.

Students will make a four-year tentative Course of Study Plan during the first semester of 9th grade. There are several reasons for this to be sure you:

- get all required classes
- have the required credits for graduation
- get the prerequisites in the early years for the classes you want to take later (prerequisites are classes that must
- successfully completed before a given class can be taken. For example, Psychology is a prerequisite for Psychology 2)
- classes you take are the ones that make your high school

EDUCATIONAL AND CAREER CHOICES

Some students decide on a desired career at an early point of their education. Some students merely decide that they wish to pursue a certain level of education and take advantage of career opportunities that arise through that level of education.

Constantly changing technology is eliminating some occupations and creating some new ones. Knowledge of self and careers, and matching those to educational requirements is therefore, extremely important in fulfilling your own life's happiness. Decisions about being specifically skilled, broadly prepared, or generally skilled/unskilled may determine your future flexibility to change and the scope of opportunities you face.

Some of the various levels of training and education that may be required for various jobs are:

- high school diploma (fewer and fewer)
- on-the-job training
- apprenticeship
- tech school certificate or diploma
- associate degree
- bachelor's degree
- master's degree
- doctorate degree

High School Diploma

You do not plan to continue education after high school but you wish to meet graduation requirements. In addition, you would try to take elective courses that you have the most interest in and that would be most useful to you after graduation.

Technical School: (such as SCC)

Try to take as many courses that are related to your planned program of study at a vocational/technical school. Investigate the requirements for entry into the school and program of your choice. For many of the vocational/technical programs you definitely need to take more than the minimum mathematics courses.

4-Year College Degree

You plan to enter a 4-year college or university to pursue a bachelor's degree or more. Many colleges and universities are raising their entrance standards significantly. Some other colleges and universities are planning to raise standards but have not yet made official announcements of such. Therefore, these are recommendations for the minimum of college prep courses that students should take in high school. Remember, future changes that colleges make are certain to be raises of the minimum standards.

A good example to help in your career planning are the basic requirements necessary to enter the University of Nebraska.

Summary of Core-Course Requirements for UNL	
English	4 years
Mathematics	4 years: Algebra I, Algebra II, Geometry, and class that builds knowledge in Alg. II (note: UNO, UNK = 3 years)
Social Studies	*3 years*
Natural Sciences	*3 years (must include a laboratory course)*
World Language	*2 years Both years must be in the same language.*

Athletic Eligibility in College
To be eligible to participate in athletics or earn athletic scholarships during the first year of college a student must meet specific academic standards through high school.

NCAA: (National Collegiate Athletic Association)
BE SURE TO ASK YOUR COACH AND GUIDANCE COUNSELOR ABOUT THESE REQUIREMENTS OR CONTACT THE NCAA NATIONAL OFFICE AT 800-638-3731 or www.ncaa.org

NAIA: (National Association Intercollegiate Athletics)
To be eligible for first year participation a student must have achieved two of the following three:
1. Final class rank in the top half of the class.
2. ACT composite score of 18 or higher, SAT score of 970 or higher.
3. Overall high school GPA of 2.0 or higher

Crete High School Graduation Requirements

Requirements for Graduation (Class of 2027)	Requirements for Graduation (Class of 2028 and beyond)
Electives (70 Credits) English (40 Credits) Social Studies (30 Credits) Math (30 Credits) Science (30 Credits) Physical Ed (10 Credits) Health (5 Credits) Personal Finance (5 Credits) Total Hours (220 Credits)	Electives (80 Credits) English (40 Credits) Social Studies (35 Credits) Math (30 Credits) Science (30 Credits) Physical Ed (10 Credits) Computer Science (5 credits) Health (5 Credits) Personal Finance (5 Credits) Total Hours (240 Credits)

Other Factors To Consider

Student Activities Eligibility

To be eligible to participate in NSAA sponsored inter-scholastic competition and any other Crete High School activities, a student must have passed a minimum of 20 credits during the immediate preceding semester. To participate in any CHS activities, a student must also be currently enrolled in a minimum of 20 credits per semester. To remain eligible to participate in any CHS activities, a student cannot be failing more than one class during the eligibility period (see CHS Student-Parent Handbook.)

Honor Roll Eligibility

To be eligible for consideration for the honor roll, a student must be enrolled in a minimum of 5 graded classes each semester. See CHS Student-Parent Handbook for specific honor roll requirements.

ACT:

2026 National Test Dates Schedule

Test Date	Regular Registration Deadline Late Fee Applies After This Date	Late Registration Deadline
September 6, 2025	August 1	August 19
October 18, 2025	September 12	September 30
December 13, 2025	November 7	November 24
February 14, 2026	January 9	January 23
April 11, 2026	March 6	March 24
June 13, 2026	May 8	May 29
July 11, 2026*	June 5	June 24

*** 2-Year Community College Entrance Testing**:
Juniors and seniors who are planning to attend a one or two year vocational program or community college can take the vocational program's preferred placement test. SCC uses the ACCUPLACER, which is free to high school students and available at all SCC campuses. Crete High School also administers this test at the high school. Students can also make a testing appointment by telephoning the college testing center

High School Courses
Incoming 9th graders - focus only on highlighted courses

ENGLISH – 4-year graduation requirement (Senior year you must take 1 literature class and 1 writing class)

ENGLISH I: Grades 9, year Course Code: 050021
This course focuses on literature analysis & writing skills development. The literature taught includes poetry, novels, short stories, and a Shakespearean play. The writing section focuses on the writing process and the Six Traits of Writing and includes completing essays and a research paper. Grammar skills are taught to support the writing section. Vocabulary skills are taught throughout in conjunction with the writing and literature sections.

CAMBRIDGE ENGLISH I Grade: 9, year Course Code: 050021
Prerequisite: A/B in 8th grade English (or teacher recommendation), Completed application and teacher approval
Cambridge English I offers candidates the opportunity to respond with understanding to a rich array of reading texts during the course as a whole. Candidates will use these texts to inform and inspire their own writing, and write in a range of text types for different purposes and audiences. Candidates will develop both their speaking and their listening skills, delivering a presentation, and responding to questions and engaging in conversations. Candidates are encouraged to become appreciative and critical readers, writers, speakers, and listeners.

ENGLISH II: Grades 10, Year Course Code: 050022
Prerequisite: English I
This course builds on four strands of the English curriculum (vocabulary, literature, grammar and composition.) The literature studied ranges from adolescent to classic literature. Many of the books feature teenagers and relate in many ways to their lives. The vocabulary words studied are often taken directly from the literature used. Grammar is taught as a tool to improve students' writing and communication skills. Writing experiences vary from working on sentence structure and usage to composing paragraphs, essays, short stories, and poems. This course also includes a semester-long focus on public speaking, including writing and presenting speeches in various modes.

CAMBRIDGE ENGLISH II: Grade: 10, year Course Code: 050022
Prerequisite: A average in English I, or at least a C average in Cambridge English I, with application
Cambridge English II develops a set of transferable skills. These include comprehension, constructing an argument, presenting views, and writing English coherently and persuasively. Learners can apply these skills across a wide range of subjects and these skills equip them well for progression to higher education or directly into employment.

ENGLISH III: Grade 11, Year Course Code: 050023
Prerequisite: English II
This two-semester course for juniors focuses primarily on composition and American literature. Students will review mechanics (capitalization and punctuation) and usage as they apply to oral and written communication. The composition component is designed to review and further refine those skills that the student has obtained in previous English classes. Expanding sentence structures while handling the mechanics of grammar will be an area of emphasis. Students will be required to write several types of paragraphs and essays. Classic American literature is the other main component of this course. The genre will include novels, short stories, essays, and poetry.

CAMBRIDGE ENGLISH III: Grade 11, Year Course Code: 050023
Prerequisite: A average in English II, or at least a C average in Cambridge English II, with application
Cambridge English III develops a set of transferable skills in alignment with the Cambridge International Assessment Objectives and Key Understandings. These include critical analysis; constructing arguments; presenting knowledge and understanding; and writing English in a balanced, articulate and fluent manner. Learners can apply these skills across a wide range of subjects and real-world situations. At the end of the year, students may take the Cambridge International Assessment. These skills will also equip them well for progression to higher education or directly into employment.

ENGLISH IV: Grade 12, Year Course Code: 050024
Prerequisite: English III AND teachers approval
This is a two-semester senior-level course that integrates the study of literature with advanced writing, language mechanics, and communication skills. Students will continue to refine their understanding of grammar, usage, capitalization, and punctuation as they apply to both written and oral communication. Emphasis will be placed on clarity, precision, and purposeful sentence structure, with particular attention to developing a mature and effective writing style.Throughout the course, students will write a variety of paragraphs, essays, and longer compositions designed to strengthen analytical, argumentative, and reflective skills. The literature component includes a diverse range of texts—such as novels, short stories, essays, speeches, and poetry—drawn from both classic and contemporary works. Through reading, discussion, and writing, students will develop critical thinking skills, deepen their understanding of literary techniques and themes, and strengthen their ability to communicate thoughtfully and effectively in preparation for postsecondary study and the workplace.

PSYCHOLOGY IN LITERATURE: Grade 12, semester Course Code: 050310 **Literature Credit**
Prerequisite: English III
Psychology in Literature explores the intersection of psychological concepts and literary analysis, providing students with a deeper understanding of how human behavior, thoughts, and emotions shape characters, narratives, and themes. Through engaging discussions, creative projects, and written reflections, you'll connect psychology to storytelling, gaining insight into human nature and how literature mirrors the complexities of the real world.

LITERATURE IN FILM: Grade 12, semester Course Code: 050063 **Literature Credit**
Prerequisite: English III
In this course, students will explore the dynamic relationship between literature and film, analyzing how classic and contemporary works of literature are transformed into cinematic experiences. Through a combination of reading, viewing, and critical discussion, students will examine themes, character development, narrative structure, and visual storytelling. The course will also delve into the creative and technical decisions filmmakers make to adapt literary works, highlighting similarities, differences, and the unique power of each medium. Students will develop skills in critical thinking, comparative analysis, and creative expression through essays, projects, and presentations.

ADVANCED LITERATURE: Grade 12, semester Course Code: 050051 **Literature Credit**
Prerequisite: a grade of B- or higher in English III OR teacher approval
SCC Prerequisite: a grade of C or higher in College Writing
This is an advanced placement course of study of literature (novels, plays, poems, and essays) and writing skills (syntax, diction, style, rhetorical techniques) for the serious student willing to read a good deal, write frequently and seriously, and discuss literature seriously and analytically. May be used for dual credit through Southeast Community College.

CREATIVE WRITING: Grade 12, semester Course Code: 050100 **Writing Credit**
Prerequisite: English III
This course will focus on the art of creative expression through writing. Through pre-writing, drafting, revising, and editing activities, students will explore and refine their craft in a variety of creative modes, including fiction, poetry, and creative nonfiction. Assignments will offer a range of purposes and formats, encouraging students to experiment with voice, style, and structure while deepening their understanding of storytelling and self-expression.

TECHNICAL WRITING/COMMUNICATIONS: Grade 12, semester Course Code:050506 **Writing Credit**
Prerequisite: English III
The technical writing unit will focus on developing the skills needed to create clear, concise, and accurate written materials explaining complex technical information for a specific audience, often including detailed instructions, product specifications, user guides, and other technical documentation, while incorporating design elements to enhance understanding; it typically covers topics like writing style, information organization, visual aids, editing. The communication unit will focus on developing essential verbal and nonverbal communication skills, including public speaking, active listening, interpersonal communication, and written expression, allowing students to effectively convey ideas, analyze information, and engage with diverse audiences across various situations, while exploring the impact of cultural and social factors on communication dynamics.

COLLEGE WRITING: Grade 12, semester Course Code: 050100 **Writing Credit**
Prerequisite: a grade of B or higher in English III OR teacher approval
Students will learn research methods and academic writing style, which they will apply to a variety of assignments including a formal research paper. This is not an advanced placement class but it is a college prep class and should be taken only if students are prepared to meet the requirements. The course is weighted and will receive an additional grade point. May also be used for dual credit through Southeast Community College

MATHEMATICS – 3 year graduation requirement

ALGEBRA A: Grades 9-12, year Course Code: 110300
Prerequisite: Math 8
This course will be the first half of Algebra I. Students will develop their algebraic skills, expand their understanding of mathematical concepts, improve logical thinking, and use connections to geometric concepts.
A student will take either Algebra I or Algebra A,B, but not both.

ALGEBRA B: Grades 9-12, year Course Code: 110300
Prerequisite: Math 8
This course will be the 2nd half of Algebra I.. Students will develop their algebraic skills, expand their understanding of mathematical concepts, improve logical thinking, and use connections to geometric concepts.
A student will take either Algebra I or Algebra A/B, but not both.

ALGEBRA I: Grades 9-12, year Course Code: 110300
Prerequisite: Math 8 and teacher recommendation
The content of this course will connect algebra concepts with other areas of mathematics, other disciplines, and real world application. The course will offer a vast array of problem solving lessons and activities. Students will engage in critical thinking and decision-making activities as well as numerous mathematical problems to develop the student's communication skills.

GEOMETRY: Grades 9-12, year Course Code: 111200
Prerequisite: Algebra I
The content of this course will connect geometric concepts with other areas of mathematics, other disciplines, and real world applications. This course involves identifying and applying properties of polygons, finding the area, surface area, and volume of solid figures, improving reasoning and proof skills, using right triangle and trigonometric properties, and finding probabilities of events.

ALGEBRA II: Grades 10-12, year Course Code: 110306
Prerequisite: Algebra I and Geometry
This course involves solving systems of linear equations, using rational and irrational numbers to express roots of quadratic equations, quadratic relations and systems, and work in probability and statistics.

COLLEGE ALGEBRA: Grades 11-12, fall semester Course Code: 119930
Prerequisite: Algebra II or teacher approval
A study of college algebra with emphasis on functions in preparation for advanced math and science coursework. Topics include solving equations and inequalities, graphing and modeling using polynomial, rational, exponential, and logarithmic functions; systems of equations, and analytic geometry. Throughout the semester students will review topics covered on the ACT and SAT exams. This class is offered ONLINE ONLY through SCC.

TRIGONOMETRY: Grades 11-12, semester 1 (fall semester only) Course Code: 111600
Prerequisite: Algebra II with at least a C or teacher approval
This is the first semester of a year long class (Pre-Calc meets 2nd semester).
In this course topics of trigonometry are covered including unit circle, right triangle trig, and Law of Sines and Cosines. Students will learn properties of circular and periodic functions and their inverses, verification of identities, and graphs of trig functions. Students will also solve trig equations. Graphing calculators will be used throughout the semester.

PRE CALCULUS: Grades 11-12, semester 2 (spring semester only) Course Code:111300
Prerequisite: Trigonometry with at least a C or teacher approval
This is the second semester of a year-long course (Trig meets 1st semester). This course covers the topics of matrix theory, vectors, polar coordinates, and analytical geometry. Students will learn series and sequence, exponential and logarithmic functions, and introductory calculus. Graphing calculators will be used throughout the semester. May be used for dual credit through Southeast Community College

CALCULUS: Grade 12, year Course Code: 110600
Prerequisite: Pre-Calculus with at least a C or teacher approval
This course is intended for students who have a thorough knowledge of college preparatory mathematics, including algebra, geometry, algebra II, trigonometry and analytic geometry. This course covers such concepts as algebraic, trigonometric, exponential, and logarithmic functions; limits, continuity, derivatives and applications of derivatives, integration and applications of integration. The course described here represents mathematics for which most colleges grant advanced placement and credit. The course is weighted and will receive an additional grade point. May be used for dual credit through Southeast Community College.

APPLIED STATISTICS: Grade 12 or with teacher recommendation junior year, Course Code: 111720
Prerequisite: Algebra II with at least a C or teacher approval
Probability and Statistics is a full year class designed to prepare students for college, technical school, or certain professions in the workforce. Some key components in probability are vocabulary, the concept of the probability of an event, predicting and determining probabilities, expected values, the relationship between theoretical and experimental probabilities, and compound events. In statistics, key components include data collection, organization, representation, sampling, central tendency, variance and correlation, and analysis and inference.This class may be used for dual credit through Southeast Community College.

MATH TRADES: Grade 12, year Course Code: 110622
Prerequisite: Must have taken 3 years of Math or teacher approval
This course provides an overview of essential mathematical concepts tailored for students pursuing careers in the trades. Topics include algebra, metric system, measurements, percentages, and statistics with practical applications relevant to trade industries. Students will also explore foundational concepts in basic coding and engineering to develop problem-solving skills applicable to real-world scenarios. The class focuses on practical, hands-on learning and is designed to offer a more accessible approach to math while equipping students with the skills needed for success in their chosen trade careers.

SOCIAL STUDIES – 3 year graduation requirement (3.5 for class of 2028 and beyond)

GEOGRAPHY: Grade 9, Course Code: 100580
Prerequisite: none
Geography is a year-long course intended to introduce students to the study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Units of study include the World, U.S. and Canada, Latin America, Europe, the regions of Africa, and the regions of Asia. Students will study both physical and human geography topics. A unit on Economics is also included in the coursework.

AP HUMAN GEOGRAPHY: Grade 9, year Course Code: 150750
Prerequisite: A/B in previous Social Stds course & Teacher Approval
AP Human Geography is a year-long course intended to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Units of study include population, migration, culture, language, religion, ethnicity, political geography, economic development, industry, agriculture, and urban geography. Students will use critical thinking skills, such as essay writing, and comprehension reading, to examine geographic problems on the global, national, and local scales. Strong reading, writing and analytical skills are necessary to succeed in this course. (AP Exam required)

AMERICAN HISTORY: Grades 10, year Course Code: 150820
Prerequisite: none
This is a social, economic, geographic and political description of United States History from Industrialization to the present time.

COLLEGE AMERICAN HISTORY SINCE 1865: Grades 10 Course Code: 150820
Prerequisite: Geography, A/B in previous Social Studies courses & Teacher Approval
This year-long course covers a breadth and depth of information that examines the nation's political, diplomatic, intellectual, cultural, social, and economic history of the United States. It focuses on key elements of American history since the Civil War, emphasizing social and political change and the emergence of the United States as a global power. Students who enroll for dual credit will earn credit through SCC.

WORLD STUDIES: Grades 11, year Course Code: 150800
Prerequisite: Geography and American History
In this course we will be looking at different regions of the world, including Europe, the Middle East, Africa, East Asia, Modern China and Japan, Eastern Europe and the former Soviet Union and Central and Latin America. Each region will be approached from its geography, history, culture and current events, with an emphasis on history.

COLLEGE WORLD STUDIES: Grade 11, year Course Code: 159930
Prerequisite: A/B in previous Social Studies courses & Teacher Approval
This course offers a comprehensive survey of the historical interactions among the world's civilizations, examining their intellectual, political, economic, and religious dimensions. Students will delve into the rich diversity of global civilizations, uncovering the unique characteristics that define them and analyzing connections that have shaped history. Through this exploration, students will gain a deeper understanding of the socio-economic, cultural, political, religious, and intellectual changes that have influenced the development of the modern world, creating a perspective on how the past influences the current world. (Dual Credit will be received through UNK)

Not offered in 2025-26 or 2026-27
GOVERNMENT-ECONOMICS: Grades 12, year Course Code: 151000
Prerequisite: 9th 10th, and 11th grade social studies
This semester-long class will cover the workings of the National Government. Focus will be on the three branches of the federal government, the Constitution, and some time will also be spent on state and local governments.

Not offered in 2025-26 or 2026-27
AP GOVERNMENT & POLITICS: Grade 12, year Course Code: 151113
Prerequisite: A/B in American Studies and Teacher approval
The AP course in United States Government and Politics will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret US government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute US government and politics. (AP Exam required)

SCIENCE – 3-year graduation requirement

BIOLOGY: Grade 9, year Course Code: 130201/Grade 9 Course Code: 130202
Prerequisite: none
Biology means *the study of life*. The biology students will study what living organisms are, and the organisms' similarities and differences. The students will investigate how all living organisms interact with each other and their environment. The students will also learn the scientific method in order to look at a problem objectively, and make intelligent decisions concerning biological issues.

CAMBRIDGE BIOLOGY: Grade 9, year Course Code: 130202
Prerequisite: Geometry or higher as a 9th grader or teacher approval
This course is designed for college bound students who are interested in science related majors. This is a fast-track science course that creates more opportunities for you to take other science courses later. Students will be required to read at a higher level, and spend more time outside of class on the curriculum. Students will develop the ability to think and act in ways associated with scientific inquiry and the application of high level thinking skills and writing proficiency. Students who take this course will follow the "fast track" plan which includes Chemistry as a sophomore, and Physics as a junior. Students will also be required to take one semester of Earth Science. Topics of study may include cells, genetics, evolution, ecology, plants, animals, the human body, and matter.

INTEGRATED SCIENCE 1: Grade 10, semester Course Code: 130420
Prerequisite: Biology preferred
This is a year-long class that provides students with the opportunity to explore topics in earth science, space science, physics and chemistry. Topics may include: forces and interactions, waves and electromagnetic radiation, energy and heat, chemical reactions, matter, space, weather/climate, Earth's systems, history of Earth, and sustainability. This class is recommended as a prerequisite to upper level science courses.

INTEGRATED SCIENCE 2: Grade 11-12, year Course Code: 130423
Prerequisite: Integrated Science 1 and Biology, Algebra
Integrated science is a year long course combining the study of principles and concepts concerning the chemistry and physical world. Concepts covered include chemistry, physics, and some earth and physical sciences.

CHEMISTRY: Grades 10-11, year Course Code:130301
Prerequisite: Geometry or higher as a 9th grader or 3rd year science requirement
This course is designed for college bound students or those interested in science related jobs. The emphasis, as in college chemistry, is on chemical theory. All general chemistry topics will be covered.

CAMBRIDGE CHEMISTRY: Grades 10-11, year Course Code: 130302
Prerequisite: A/B in Honors Biology, positive attendance, geometry or higher as a 9th grader
This course is designed for college bound students who are interested in science related majors. The course is more rigorous and faster paced than regular chemistry. The emphasis, as with college chemistry, is on chemical theory. All general chemistry topics will be covered.

CAMBRIDGE PHYSICS: Grades 11-12, year Course Code: 130307
Prerequisite: Algebra II, Chemistry (recommended)
Physics is a science which focuses on the properties, changes, interactions, etc. of matter and energy. Concepts studied are measurement, motion, waves, light, sound, heat, electricity, and nuclear energy. This course is planned for students planning to attend college. This course requires skill in analytical thinking. The course work and grading scale will reflect college standards.

FORENSIC SCIENCE: Grade, 12, **Elective Credit** Semester Course Code: 130317
Prerequisites: Grade 12 or teacher approval
This class is designed around authentic performance assessments with students working in teams to solve crimes using scientific knowledge and reasoning. It involves all areas of science including biology, anatomy, chemistry, physics, and earth science with an emphasis in complex reasoning and critical thinking. In addition, students must incorporate the use of technology, communication skills, language arts, art, family and consumer science, math and social studies.

HUMAN ANATOMY: Grade 11-12, year Course Code: 130210
Prerequisites: 2 years of completed science credits including chemistry.
Part of the Health Sciences pathway.This course provides a comprehensive study of the anatomy of the human body. Topics include body organization; homeostasis; cytology; histology; and the integumentary, skeletal, muscular, nervous systems and special senses. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and their relationships among body systems. Laboratory work includes dissection of preserved specimens, microscopic study, physiologic experiments, computer simulations, and multimedia presentations. The course work and grading scale will reflect college standards. The course is weighted and will receive an additional grade point. May be used for dual credit through SCC

GLOBAL ELECTIVES

Please note: not all global electives will be offered every semester. The following classes listed below are in person classes taught at Crete High School:

***FRESHMAN SEMINAR:** Grades 9, **required** year Course Code: 260200
Prerequisite: none
This course focuses on the skills and strategies necessary for students to make a successful transition into high school, an academic career, and beyond. The course focuses on goal setting, academic organization, self-understanding, proactive behavior, time management, attitude, character education, and leadership. Students will explore their individual learning styles and abilities. This course is required for graduation.

WORLD LANGUAGE

NOTE: Each year of world language covers approximately one semester of college world language. Students interested in taking Native Speaker Spanish courses are required to take the placement exam to enroll in the appropriate level. Depending on the placement exam, students will begin in Native 1 (previously Heritage Speakers) or Native 2 (previously Native 1).

SPANISH I: Grades 9-11, year Course Code: 060241
Prerequisite: none
This course focuses on communication and skill development in interpersonal speaking & writing, presentational speaking & writing, and interpretive reading & listening at the novice level. Students aim to acquire a **novice high - intermediate low** level of communication.

SPANISH 2: Grades 9-12, year Course Code: 060242
Prerequisite: Successful completion of Spanish 1 or teacher recommendation/evaluation
This course focuses on communication and skill development in interpersonal speaking & writing, presentational speaking & writing, and interpretive reading & listening at the intermediate level. Students aim to acquire an **intermediate low** level of communication.

COLLEGE SPANISH 3: Grades 10-12, year Course Code: 060243
Prerequisite: Spanish II with a grade of C- or higher
This course focuses on communication and skill development in interpersonal speaking & writing, presentational speaking & writing, and interpretive reading & listening at the intermediate mid-high level. Students aim to acquire an **intermediate mid** level of communication and study advanced grammar. Students will take the STAMP 4S test at the completion of the course in order to earn the Seal of Biliteracy or set goals for College Spanish 4. The option for 3 Spanish credits through UNK is available.

COLLEGE SPANISH 4: Grade 11-12, year Course Code: 060246
Prerequisite: Spanish III or Native Speakers III with a grade of at least a C AND/OR teacher permission.
This course, conducted in Spanish, focuses on communication and skill development in interpersonal speaking & writing, presentational speaking & writing, and interpretive reading & listening at the intermediate high level. Students aim to acquire an **intermediate high** level of communication. Students will take the STAMP 4S test at the completion of the course in order to earn the Seal of Biliteracy. The option for 3 Spanish credits through UNK is available. This course may be offered as an independent study.

COLLEGE SPANISH 5: Grade 12, year Course Code: 060246
Prerequisite: College Spanish 4 with a grade of at least a C or better **OR** be concurrently enrolling in College Spanish 4; Teacher Permission.
This course, conducted in Spanish, will expand their language proficiency and intercultural competence through reading, discussion, and writing in Spanish. The course explores the diversity of Spanish speaking cultures through their texts and ideas and the Spanish language history and evolution in the USA. Students will increase their vocabulary for communication about a variety of topics and improve the accuracy of their communication for a variety of purposes. The option for 3 Spanish credits through UNK is available. This course may be offered as an independent study.

NATIVE SPEAKER SPANISH 1: Grade 9-11, or new students Course Code: 060244
Prerequisite: placement exam and/or teacher recommendation/evaluation
This class is offered for students who, although raised in Spanish speaking communities and/or households, are not yet at an intermediate proficiency level in the modes of Spanish communication. This course will enable students to gain proficiency in aural comprehension, reading, and writing as well as cultural competence. Common spelling mistakes and other grammatical aspects of heritage speakers are a main part of the learning of this course.

NATIVE SPEAKER SPANISH 2: Grade 9-12, Course Code: 060249

Prerequisite: placement exam or successful completion of Native Speakers Span 1 Heritage Speakers) and/or teacher recommendation/evaluation

For students who have acquired an intermediate-mid level of Spanish and Spanish is the heritage or home language. This course deals with issues of writing mechanics unique to the native speaker of Spanish. Placement of the written accent, common spelling mistakes and other aspects of the written language are discussed. Also includes an introduction to composition, reading literature and improving academic vocabulary.

NATIVE SPEAKER SPANISH 3: Grade 10-12, Course Code: 060250

Prerequisite: For students who have acquired an intermediate-mid to high level of Spanish and Spanish is the heritage or home language and have successfully completed Native Speaker Spanish 2 (previously Native Speakers 1). Reviews writing mechanics learned in Levels 1 & 2 while introducing linguistic terms and concepts relevant to the native speaker. Expanded writing and reading assignments allow students to improve their academic and professional language in Spanish.

HEALTH/ PHYSICAL EDUCATION

1 semester of Health and 2 semesters of PE are graduation requirements

***HEALTH:** Grades 10-12, required semester Course Code: 080100

Prerequisite: none

Students in this class learn how to develop lifetime health skills. The class will focus on the three areas of health including mental/emotional, social and physical. Students will learn and practice ways to maintain and improve their overall health and well-being. Sections that are covered include nutrition, fitness, stress, mental illness, tobacco, alcohol, drugs, and STDS's.

LIFETIME FITNESS: Grades 9-12, semester Course Code: 080120

Prerequisite: none

Lifetime Fitness will introduce students to a variety of activities designed to promote a healthy lifestyle. This class will provide students the opportunity to improve overall fitness using various methods. Students will be introduced to all dimensions of personal fitness, including diet, exercise, and mental well-being. Students will be expected to dress out in appropriate workout attire and participate daily. Students will participate in exercise activities, group activities, and in class discussions focusing around health concepts. Students will create a personal fitness workout for presentation. Students will be graded on participation, personal responsibility and workout presentations.

TEAM & INDIVIDUAL SPORTS: Grades 9-12, semester Course Code: 080121

Prerequisite: none

Team and Individual Sports will introduce students to the rules and basic skills of a variety of activities. Students will participate in a competitive atmosphere, designed to educate students in individual sports as well as team sports while working in a team setting. Students will learn the rules and etiquette of each activity participated in. Students are expected to wear proper workout attire and participate while using good sportsmanship. Students will be graded on participation and knowledge of activity rules and skills.

BEGINNERS STRENGTH & CONDITIONING: Grades 9-12, semester Course Code: 080111

Prerequisite: none

This introductory course is designed for beginning strength and conditioning students to develop foundational knowledge and skills in strength training, speed training, and overall physical conditioning. Students will learn proper form and technique for primary lifts, dumbbell training, and core stabilization. Emphasis will be placed on injury prevention, flexibility, mobility, and safe progression through personalized fitness goals. The class will also introduce basic principles of nutrition, recovery, and mindset training to promote lifelong fitness habits. By the end of the course, students will have improved strength, endurance, confidence, and a deeper understanding of how to design and execute effective workouts. No prior experience is required—just a willingness to learn, grow, and challenge personal limits!

ADVANCED STRENGTH & CONDITIONING: Grades: 10-12, semester Course Code:080112

Prerequisite: Beginners Strength & Conditioning

This course is designed for students seeking to elevate their strength, speed, agility, and overall athletic performance. Building on foundational principles, students will engage in advanced weightlifting techniques and high level speed training. Emphasis will be placed on mastering complex lifts, such as bench, hang clean, and squats, improving explosive power, and enhancing endurance through customized programming.Students will also dive deeper into recovery strategies, injury prevention, mobility work, and performance nutrition. Through goal-setting and progress tracking, they will develop both the physical and mental discipline necessary for sustained success in athletics and fitness pursuits. This rigorous course is ideal for competitive athletes and dedicated students ready to push their limits and maximize performance.

UNIFIED PE: Grades 9-12, semester Course Code: 080129

Prerequisite: none

Unified Physical Education provides an inclusive and engaging environment where students of all abilities come together to promote physical fitness, teamwork, and social interaction. The class pairs general education students with peers with disabilities to create a supportive and collaborative learning experience. This course fosters understanding, empathy, and mutual respect while developing leadership, communication, and physical wellness skills.

TEAM MANAGEMENT: Grades 9-12, semester Course Code: 089930

Prerequisite: involvement in athletics and/or successfully completed Team and Individual Sports

It's a class to work with the HUDL program, a Lincoln, Nebraska based company providing tools for coaches and athletes to review game footage and improve team play. For the sports of football, basketball, soccer, and volleyball, we will also learn the rules of each sport. If you are an athlete, team manager, or interested in computers this class can be for you. We will work on all aspects of the hudl program.

LEADERSHIP ACADEMY: Grades 11-12, year Course Code: 032802

Prerequisite: nominated by coach or activity sponsor, acceptance into the class

This class will cover four major themes: Know Yourself, Connect with Others, Lead Others, & Influence Culture. Within those major themes we will cover topics such as: character, confidence, trust, confrontation, social media, & more. We will use videos, articles, podcasts, various activities, and lots of conversation to cover these topics. Jim Valvano, the late basketball coach, and announcer said it best when he said, “To me there are three things everyone should do every day. Number one is to laugh. Number two is think – spend some time in thought. Number three, you should have your emotions move you to tears.”

FAMILY AND CONSUMER SCIENCES

INTRODUCTION TO FAMILY AND CONSUMER SCIENCES: Grades 9-12, semester Course Code: 090101

Prerequisite: none

This introductory course is intended to provide a basic overview of all areas within Family and Consumer Sciences. Basic knowledge and career skills that are applicable to personal growth and career development will be covered. Additional course topics include: leadership, communication, child development, mental health, nutrition and food preparation, clothing and interior design, and personal finance. Students will be made aware of FCCLA and opportunities available in other FCS classes.

FASHION DESIGN: Grades 9-12, semester Course Code: 090206:

Prerequisite: Intro to FCS with a C or above

This intermediate course explores skills needed for the evolving field of the fashion and apparel industry building on concepts from the introductory course. Topics covered include examining fashion history, fashion trends, distinguishing characteristics of garments, career opportunities, and business principles. The design process will be practiced from fashion concept to implementation through the use of technology. Students will have the opportunity to complete an FCCLA competitive event in this course.

FUNDAMENTALS OF FOOD & NUTRITION AND CULINARY ESSENTIALS: Grades: 9-12, semester Course Code: 090107

Prerequisite: none

This introductory course provides students with foundational knowledge and skills in food preparation and nutrition planning. Topics covered include career exploration, global food systems, six essential nutrients, dietary recommendations, kitchen and food safety and sanitation, food preparation skills, and meal planning concepts.

CHILD DEVELOPMENT: Grades 10, semester Course Code: 090119

Prerequisite: none

This intermediate course provides an overview of developmental stages in the prenatal period through 12 years of age building on concepts from the introductory course(s). Topics covered include how young children attain knowledge, behaviors, and skill and theories of child development to identify the effects of parenting practices, social, cultural, and linguistic diversity. The impact of quality child care and early childhood education on child growth and development will also be explored. Students will have the opportunity to complete an FCCLA competitive event in this course.Course may not be offered every semester.

PSYCHOLOGY COURSES

PSYCHOLOGY: Grade: 11-12, semester Course Code: 151200
Prerequisite: none
Psychology is a semester social science elective that examines the mental processes and emotional behavior of the individual. It is the study of why people behave the way they do. It addresses topics such as behavior, perception, styles of learning, development from infancy to death, stress and adjustment, and studies of abnormal behavior.

PSYCHOLOGY II: Grade: 12, semester Course Code: 100556
Prerequisite: Psychology and receive a B or higher or need teacher approval.
A continuation of Psychology 1 that explores topics: Motivation and Emotion, Theories of Personality, Psychological disorders, Types of Therapy, exploration of careers, and social psychology.

JOURNALISM COURSES

JOURNALISM I: Grade 10-12, year Course Code: 050401
Prerequisite: Must have C or above in English I (or previous English class)
This full year class introduces students to journalistic procedures. They learn the journalistic writing style, interviewing techniques,layout principles, photography, advertising, and journalistic rights and responsibilities. Students assume responsibilities for the production of the yearbook, The Cardinal. Students considering this course should know first that writing is an integral part, and secondly, that meeting deadlines is mandatory.

JOURNALISM II & III: Grades 11-12, year Course Code: 05040
Prerequisite: Journalism 1 & C or above in previous English class (II or III)
This full year lab class is responsible for the production of the school newspaper and yearbook. Students are involved in all areas of the yearbook including making content decisions, researching and writing stories, taking pictures, and planning layouts. The course is an elective and may be taken one or two years for credits.

BUSINESS/TECHNOLOGY

1 semester of Personal Finance is a graduation requirement

***PERSONAL FINANCE**: Grades 11-12, required semester Course Code: 033000
Prerequisite: none
The goal of Personal Finance is to help students become financially responsible, conscientious members of society. To reach that end, this course develops student understanding and decision-making skills in such areas as income, money management, budgeting, financial goal attainment, the wise use of credit, insurance, and investments. This course is required for graduation.

STRIV : Grades 9-12, semester Course Code: 270601
Prerequisites: Application process for first time and Teacher Approval
Striv is the class that helps produce the online streaming events of the Crete Striv Network. Students learn how to use the wirecast software to produce the events that are streamed live online. Students learn how to use Adobe Photoshop and premiere pro software in order to create graphics and videos that are used during the games and events. Students are able to work with a green screen during class and help run the computer, cameras, and other technology during the events.

ACCOUNTING II: Grade 12, Semester; Course Code, 030502,
Prerequisite: Accounting 1; Part of Business pathway
This one-semester **independent study** course builds on the skills learned in Accounting I. Students will expand their understanding of double-entry accounting as they work with a merchandising business organized as a corporation. They'll learn how to prepare and record payroll, make adjusting entries, and analyze financial information to make business decisions. Technology will be used to complete real-world accounting tasks, and students will also explore careers in accounting and business.

INDUSTRIAL TECHNOLOGY

TECH & MACHINES: Grade 9 semester Course Code: 100100
Prerequisite: none
This class will introduce the students to basic hand tools and machine processes. We will cover hand tools and machines, learn how to use them safely, identify their parts, and demonstrate proper use. Technology, such as use of computers for word processing and integrating race track components and CNC training, will also be introduced. Students will complete written summaries, using a word processor, on products produced and will also use the computer to operate and time the racecars they manufacture. This will be a "hands-on" class with many activities to complete. The students would receive three projects and a pair of OSHA approved safety glasses for this expense. Possible projects are the clipboard, the pump lamp or candy lamp with parts and the Pitsco race car.

ROBOTICS: Grades 9-12 semester Course Code:103194
Prerequisite: none (Independent elective)
Robotics focuses on the construction and programming of human driven and autonomous robots. Students will work in groups to build and test increasingly more complex robots to complete different tasks and compete against other students in the class. Some projects include building a robot that moves an object, building a robot that drives through an obstacle course using sensors and programming, and a ball launcher.

DRAFTING & ENGINEERING: Grades 10-12, semester Course Code: 100140
Prerequisite: Technology & Machines, needs to have C or better in Math
Students enrolled in the class will be exposed to both mechanical drawing and Computer-Aided Drafting (otherwise called CAD). Students will also be putting their newly developed CAD skills to use by engineering and building a bridge and a 3- foot plane that they will use to compete with other teams in the class. Winners in each contest will receive a $50 gift card from a donor.

CABINET CONSTRUCTION: Grades 11-12, year Course Code: 101921
Prerequisite: Intro to Cabinet & Beg Drafting
In this class the students wi ll construct larger projects of their choosing. Students will improve their skills working with hand tools, machines and many will incorporate CNC design into their projects. They will also work with computers and digital cameras in developing a portfolio of their progress in the class. Expenses are generally quite a bit more than most classes because of the size of the projects. Students will be expected to pay for their projects which can cost anywhere from $40 to $400 depending on what he/she chooses for a project. The school will cover up to $100. Students unable to pay can build a project but it will be sold and proceeds put back in the woods account. This will be a "hands-on" class with much of the time spent in the lab. Students will be expected to wear OSHA approved safety glasses.

AGRICULTURE EDUCATION

AG LEADERSHIP: Grade: FFA Officers only, semester Course Code: 011009
Prerequisite: Teacher Permission
This course is designed for group and individual work. The students will work on problem solving, critical thinking and leadership development activities. Students will work on advanced record keeping, individual and chapter application development and group planning activities along with leadership development.

EXPLORATORY AG: Grade: 9, semester Course Code: 017000
Prerequisite: none
This class is designed for freshman students to take before choosing a pathway class. Throughout this course, we will explore the many areas of agriculture, including Animal Science, Plant Science, Natural Resources, and more. This class will focus on hands-on experiences and we will end each unit with a career exploration project.

WELDING COURSES

ELECTIVE: WELDING 1: Grades 10-12, semester Course Code:
Prerequisite: none.
Students will learn how to safely operate equipment and work in a shop setting. This course will focus on the basics of Arc, MIG, and O/A welding. There is no time for projects in this course but in order to take Welding 2 or 3 you must first take Welding 1. This course may not be offered every year.

ELECTIVE WELDING 2: Grades 10-12, semester Course Code:
Prerequisite: Welding 1 (C minimum).
Students will learn about the operation of advanced metalworking equipment. Welding will include out of position welds such as horizontal, vertical, and overhead. After completing a series of advanced practice welds, students will design and construct large projects. This course may not be offered every year.

ELECTIVE WELDING 3: Grades 11-12, semester Course Code:
Prerequisites: Welding 1 & 2 (C minimum).
Students will design and construct approved metal projects after completing Welding 1 and 2. If students do not have their own projects to work on they will be assigned various tasks around the shop. This course may not be offered every year.

ART

COLOR & DESIGN: Grades 9-12, semester Course Code: 020300
Prerequisite: none
Color Design and printing is an introduction into the basic elements and principles of art. Students will work with each element and develop an understanding of how it is used in compositions. Art mediums used in class are pencil, colored pencil, and tempera paint.

PENCIL, PEN & INK: Grades 9-12, semester Course Code: 020706
Prerequisite: none
Students will learn to develop and explore a variety of compositional arrangements and value possibilities in each medium. Students will work with still-life arrangements, photos, portraits, and will develop compositions from their own imagination.

WATER BASED MEDIA: Grades 9-12, semester Course Code: 020706
Prerequisite: Color & Design
Students will be introduced to watercolor paints and learn various methods of painting with transparent layering. Students will work from their imaginations and photographs they have taken. Students will also work with acrylic paint and learn how to troubleshoot fast drying water media.

CERAMICS I HANDBUILDING: Grades 10-12, semester Course Code: 020708
Prerequisite: Color & Design OR Pencil, Pen, Ink
Ceramics is divided into these three units: working on the potters' wheel; hand built pottery & mosaic work. Students will learn how to work with clay and basic building methods.

CERAMICS II THROWING & EXTRUDING: Grades 11-12, semester Course Code: 020708
Prerequisites: 3 semester art classes: Ceramics I - Handbuilding, Color & Design, and Pencil Pen & Ink
This course is designed for students who want to continue their development of skills and knowledge in clay. Time will be split between the potter's wheel and handbuilding techniques with the extruder, with an emphasis on gallery level and/or production work.

INDEPENDENT ART: Grade 12, semester Course Code: 020702
Prerequisite: all other art classes & teacher permission
Independent art is for the serious art student. Each student will develop his/her course of study and develop a series of studies from their selection. Art history is also required in this course and the students are expected to read about an artist, style or time period and present a written or oral report. Possible fee.

MUSIC

TREBLE CHOIR: Grades 9 & 10, year Course Code: 120400
Prerequisite: All incoming 9th graders and new students must audition with the director.
A choir made up of 9th and 10th grade treble singers (unchanged voices). Choral activities will consist of warm-ups, sight-reading, part-singing, and ensemble singing. Class discussion will cover music styles, music history, music theory, performance process, and current trends in music. Concerts, convocations, outside performances, and contests will be a measure of a solid choral understanding and our goals. Student evaluation will be determined through results of voice testing, class participation, attitude, attendance at performances, and growth of vocal ability. This class may be taken more than once. This class requires a robe (provided).

MIXED CHOIR: Grades 9-12, year Course Code: 120400
Prerequisite: All incoming 9th graders and new students must audition with the director.
A choir made up of 11th and 12th Grade treble singers (unchanged voices) and 9th through 12th Grade tenor/bass singers (changed voices). Choral activities will consist of warm-ups, sight-reading, part-singing, and ensemble singing. Class discussion will cover music styles, music history, music theory, performance process, and current trends in music. Concerts, convocations, outside performances, and contests will be a measure of a solid choral understanding and our goals. Student evaluation will be determined through results of voice testing, class participation, attitude, attendance at performances, and growth of vocal ability. This class may be taken more than once. This class requires a robe (provided).

SYMPHONIC BAND: Grades 9-12, year Course Code: 101961

Prerequisite: Previous instrumental experience or begin with private instruction

Marching band and pep band are a focal point of activities for this class first semester. This band will be combined with the Wind Ensemble at performances, with combined rehearsals once a week during study halls on Friday. Second semester the emphasis will be on Concert band. Activities in class will consist of warm-ups, sight-reading, sectional and full ensemble playing, listening to professional recordings, and giving oral and written evaluations of recordings, as well as student performances. Topics of discussion will include musical style, music history, rehearsal, and performance techniques. Scheduled performances provide the opportunity for students to demonstrate to the public what has been learned in class.

WIND ENSEMBLE BAND: Grades 9-12, year Course Code: 120500

Prerequisite: Audition or Teacher recommendation

Marching band and pep band are a focal point of activities for this class first semester. This band will be combined with Symphonic Band at performances, with combined rehearsals once a week during study halls on Friday. Second semester the emphasis will be on Concert band. Activities in class will consist of warm-ups, sight-reading, sectional and full ensemble playing, listening to professional recordings, and giving oral and written evaluations of recordings, as well as student performances. Topics of discussion will include musical style, music history, rehearsal, and performance techniques. Scheduled performances provide the opportunity for students to demonstrate to the public what has been learned in class.

BEGINNING GUITAR: Grades 9-12, semester Course Code: 1910

Prerequisite: none, basic note reading helpful

This course covers the basics of beginning guitar to include: Chord strumming various styles and keys • Beginning classical, finger-style, and pick-style right hand techniques • Improvisation w/ movable pentatonic scales • Note reading in 1st position • Basic theory including barre chords and power chords • Posture and hand positions. Acoustic guitars will be provided by the school, so seating is limited.

WORLD MUSIC DRUMMING: Grades 9-12, semester Course Code: 120806

Prerequisite: none

For 9-12 grade students who would like to learn the basics of world music drumming, singing, and moving. This course is primarily based on the publication, World Music Drumming. Students will learn drumming techniques, sing songs with accompaniment and movement, connect African and Latin American cultural traditions to the music performed, and discover how music can be the perfect vehicle for teaching team building, respect, focusing, listening, problem-solving, and other important life skills.

THEATER PRODUCTION: Grades 9-12, semester, Course Code: 050600

Prerequisite: none

Students will learn various elements of theater, including: acting, scenic design and construction, hair/makeup/costume design, etc. Students will understand the history of theater as an art form, and explore various examples of dramatic literature (plays, musicals, opera, etc.). Students will explore theater history, watch filmed productions of plays and musicals, and gain a general understanding of jobs in the theater industry. First semester is on Acting and second semester is on Tech.

SENCAP COURSES – in partnership with Southeast Community College. Tuition is covered by the district.

These courses are completed online and may be used for dual credit at 2 and 4 year colleges. **see SCC website to search for classes offered and descriptions**

Crete High School SENCAP+

The Southeast Nebraska Career Academy Partnership

The Southeast Nebraska Career Academy Partnership (SENCAP) is a program offered to Sophomores and above to take college credit classes in high school. This opportunity allows students to earn college credit and gain exposure to the academic expectations and rigor of postsecondary coursework.

Participation in a SENCAP college course carries responsibilities that may differ from traditional high school classes. College courses often move at a faster pace, require increased independent study, and expect students to take greater ownership of their learning. Students are responsible for managing deadlines, communicating directly with instructors, and seeking assistance when needed.

Benefits for Your Student:

- **College Credit**: Earn credits transferable to many colleges and universities.
- **Academic Challenge**: Develop advanced study habits and critical thinking skills.
- **Career Preparation**: Get a head start on college coursework and explore potential career paths.

Important Considerations:

- **Increased Rigor**: College coursework can be more demanding and time-intensive than standard high school classes.
- **Dual Policies**: Students must adhere to both high school and college policies (attendance, grading, conduct).

SENCAP Enrollment Qualifications:

- **Sophomores**:
  - Minimum of a 3.9 GPA
  - Eligible to take one (1) SENCAP Courses at no tuition cost per semester
- **Juniors:**
  - Minimum of a 3.5 GPA
  - Eligible to take two (2) SENCAP Courses at no tuition cost per semester
- **Seniors:**
  - Minimum of a 3.3 GPA
  - Eligible to take three (3) SENCAP Courses at no tuition cost per semester

Be aware that if a SENCAP student fails to end the semester with a “D” or better average, the student must reimburse Crete Public Schools the full tuition cost of the class. Crete will pay for SENCAP classes if a “D” average or better is maintained.

In most cases textbooks are provided on-line at a cost to the student. In the event that the book is not provided, the student will be responsible for finding & purchasing the book on their own.

SCC has transfer agreements with the Nebraska colleges. Most out-of-state colleges honor the transfer of these credits as well. Crete High School exerts no control over the decisions of individual colleges with respect to transfer of credits.

CRETE ACADEMY PATHWAYS

Students will choose between the Business and Human Sciences Academy or the Technical Sciences Academy. Followed by selecting a Pathway based on their Academy for their Sophomore through Senior year. Pathways are like college majors.

BUSINESS AND HUMAN SCIENCES ACADEMY

BUSINESS PATHWAY

INTRODUCTION TO BUSINESS: Grade 10; Semester; Course Code 032300
Prerequisite: none. Part of Business pathway
Discover how businesses really work! This course introduces students to the world of business, marketing, and management while exploring how companies are formed, organized, and run. You'll dive into topics human resources, entrepreneurship, management, marketing, and financial decision-making. Students will also connect with local businesses to see these concepts in action and learn about a wide range of career paths in the business world. Technology and real-world projects make this a hands-on class that helps you think like a business leader.

MARKETING: Grade 10; Semester; Course Code 038100
Prerequisite: Introduction to Business; Part of Business pathway
This course develops basic student understanding and skills in the functions of marketing. Emphasis is placed on the impact of marketing activities on the individual, business, and society. Topics include market analysis, marketing information management, target customer identification, the development of marketing-mix strategies, and an in-depth look at the selling process.

ACCOUNTING I: Grade 11, Semester; Course Code, 030501,
Prerequisite: Introduction to Business; Marketing Part of Business pathway
This one-semester course covers a service business organized as a sole proprietorship which will include accounting principles involved in the preparation and maintenance of financial records concerned with business management and operations. It is a comprehensive introduction to basic accounting including recording, summarizing, and reporting and accounting systems and controls. Students are exposed to careers in the accounting field and are given the opportunity to perform accounting applications using technology.

MANAGEMENT & LEADERSHIP: Grade 11, Semester Course Code 032802,
Prerequisite: Intro to Business, Marketing, Accounting 1 Part of Business pathway
This course emphasizes the basic concepts of management and leadership within a business or organization. It addresses characteristics, organization, and operation of business as major sectors of the economy. Students will investigate management issues involved in planning, organizing, leading, and controlling an organization.

SENCAP INTRODUCTION TO ENTREPRENEURSHIP (ENTR 1050): Grade 12, Semester; Course Code, 032370
Prerequisite: Accounting 1, management and Leadership; Part of Business pathway
The student will evaluate the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The student will understand the role of entrepreneurial businesses and the impact on our national and global economy.

EDUCATION PATHWAY

CHILD DEVELOPMENT: Grades 10, semester Course Code: 090119
Prerequisite: none Part of Education Pathway
This intermediate course provides an overview of developmental stages in the prenatal period through 12 years of age building on concepts from the introductory course(s). Topics covered include how young children attain knowledge, behaviors, and skill and theories of child development to identify the effects of parenting practices, social, cultural, and linguistic diversity. The impact of quality child care and early childhood education on child growth and development will also be explored. Students will have the opportunity to complete an FCCLA competitive event in this course.

FOUNDATIONS OF EDUCATION: Grade 10, semester Course Code: 359930
Prerequisite: Education Pathway Only
Foundations of Education is an introductory course for students considering careers in the teaching profession or for those who just want to be better, more informed citizens regarding the educational system. Students will examine a range of issues related to the role, development, and organization of public education in the United States, including its historical, philosophical, cultural, political, legal, and social foundations and their influence on the teaching profession. Examining one's own beliefs, values, and goals constitutes a primary theme of the course.

DOANE INTRO TO EDUCATION (EDU 101): Grade 11 Course Code:
Prerequisite: Education Pathway Only
A course designed to prepare future educators with a framework to understand the implications of multicultural education as they enter the classroom. Students focus on self-clarification in order to understand their own culture first before they are exposed to multiple perspectives. Through field experiences, writing, discussions and readings, students analyze their beliefs, attitudes and behaviors while preparing to become competent multicultural educators.

DOANE EDUCATIONAL TECHNOLOGY (CMP 201): Grade 11 Course Code: 270415
Prerequisite: Education Pathway Only
A course consisting of a series of experiences related to using educational technology in the classroom. Teaching about technology, teaching with technology, and integrating technology in the classroom are topics of this course. Course experiences provide an awareness of the educational uses of technology and the skills necessary to use and integrate technology in the classroom. Competency will be demonstrated in the use of application software relevant to the classroom.

EDUCATION PRACTICUM EXPERIENCE: Grade 12 (1 Semester) Course Code 350003:
Prerequisite: Education Pathway Only
An examination of the primary education theories and social forces that have shaped American education with emphasis upon writers whose philosophical thought has had a particularly strong impact upon contemporary educational practices. Educational practices surveyed include the learning process, instructional design, teaching strategies, classroom management, diversity within the classroom, history and philosophy of education, and national/state K-12 content standards. The course includes clinical field experience in elementary, middle, and secondary schools. Course content provides exploratory activities for students to develop an interest in and commitment to teaching.

HEALTH SCIENCES PATHWAY

INTRO TO HEALTH SCIENCE I: Grade 10, **Elective Credit**, year Course Code:077300
Prerequisites: Biology. Part of the Health Science pathway
Intro to Health Science is designed to give an overview of the therapeutic services, diagnostic services, support services, biotechnology research and development, and health informatics pathways. The course focuses on exploring health science pathways and careers, employability skills, ethical and legal responsibilities, safety practices and technical skills, and the history and current healthcare trends. This course will also focus on developing both oral and written skills in the language used to communicate within the healthcare profession.

INTRO TO HEALTH SCIENCE II: Grade 10, **Elective Credit**, Semester Course
Prerequisites: Biology. Part of the Health Science pathway. Intro to Health Science I. A/B in Science and Math(Alg 1 or higher) 10th grade only.
Intro to Health Science II is designed to provide students a more in-depth exploration of the personal interests within healthcare as well as a deeper analysis of the system overall. Focus on demonstrating workplace skills, health literacy, introduction to organization of the body, medical terminology, and medical math, analysis and application of emergency and technical skills.

SENCAP is dual credit classes taken online through Southeast Community College. Second year health pathway students must choose 2 of the 4 SENCAP electives. These are paid for by the district.

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1. **SENCAP DENTAL TERMINOLOGY:** Grade 11, semester CourseCode: HLTH 1050
   Prerequisites: Intro to Health Science
   College credits: 3

This course is intended for students who are interested in the dental assisting profession either in the exploratory stage or an individual that is currently working in the field and would like to obtain a base knowledge of proper Dental Terminology. The course's modular approach ensures that students learn and comprehend the language of dentistry on a much deeper level and build a solid foundation for understanding terms within the profession.

2. **SENCAP BASIC MEDICAL TERMINOLOGY:**Grade 11, semester CourseCode: MEDA 1101
   Prerequisites: Intro to Health Science
   College credits: 1.5

A basic study of word parts, medical terms, and abbreviations as it pertains to all of the body systems.

3. **SENCAP BASIC NUTRITION:** Grade 11, semester CourseCode: FSDT 1350
   Prerequisites: Intro to Health Science
   College credits: 3

The study of nutrients, digestion, absorption, metabolism, fitness, consumer concerns, food safety, nutrition throughout the life cycle, including cultural influences on food selection. Nutrition in relation to disease and world hunger is explored.

4. **SENCAP NURSING ASSISTANT (CNA):**Grade 11, semester CourseCode: HLTH 1150
Prerequisites: Intro to Health Science
College credits: 3

Overview of the health care system and role of the nursing assistant as a healthcare team member. Discussions on the concepts of basic human needs, professional behavior, communication, legal/ethical issues, and multicultural diversity. Teaches basic nursing skills including bathing, assisting with dining, ambulating, transferring, and toileting. Included in this course are classroom and lab experiences in a simulated health care setting. Course is approved by the Nebraska Department of Health and Human Services Regulation and Licensure. Upon successful completion of this course, the student is eligible to test for placement on the Nebraska Nursing Assistant Registry.

HUMAN ANATOMY: Grade 11-12, year Course Code: 130210
Prerequisites: 2 years of completed science credits including chemistry. Part of the Health Sciences pathway.

This course provides a comprehensive study of the anatomy of the human body. Topics include body organization; homeostasis; cytology; histology; and the integumentary, skeletal, muscular, nervous systems and special senses. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and their relationships among body systems. Laboratory work includes dissection of preserved specimens, microscopic study, physiologic experiments, computer simulations, and multimedia presentations. The course work and grading scale will reflect college standards. The course is weighted and will receive an additional grade point. May be used for dual credit through Southeast Community College.

MULTIMEDIA DESIGN PATHWAY

MEDIA PRODUCTION I: Grade 10, semester Course Code: 270602
Prerequisites: none; Part of Multimedia Design Pathway

Lights! Camera! Action! Students work in a hands-on environment to create digital video projects, while learning about camera techniques, tricks, green screen, animation, video switcher and computer editing. This class cannot be used to meet the English graduation requirement.

MEDIA PRODUCTION 2: Grade 10, semester Course Code: 270602
Prerequisites:successful completion of Media Prod I with a C or better; Part of Multimedia Design Pathway

Students will continue working on more advanced digital projects and explore new media which students plan, and execute more independently. Examples may include using computer music tools, creating a music video, multi-camera/switcher projects, contest pieces, 3D printing and design, drawing tablets, 360 video and more as technology advances.

GRAPHIC DESIGN I: Grade 11, Semester 1 | Course Code: 020400
Prerequisites: Successful completion of Media Prod I & II with a **C or better**.

Master the professional "Big Three"—Adobe Illustrator, Photoshop, and InDesign—to transform creative ideas into polished visual assets. Students utilize Mac minis and iPad Pros to explore the core principles of design and develop Visual Literacy through typography, photo manipulation, and digital illustration in Procreate. By blending industry-standard software with modern tools like Adobe Express and Canva, you will develop the technical precision required for advanced media projects and physical production in Graphic Design II.

GRAPHIC DESIGN II : Grade 11, Semester 2 | Course Code: 020400
Prerequisites: Successful completion of Graphic Design I with a **C or better**.

Advance your design mastery and Visual Literacy by tackling real-world creative challenges and professional workflows. Students will apply the core principles of design to create multi-platform branding suites, using the Glowforge laser to transform digital vectors into tangible products. You will also gain hands-on experience in "fan engagement" design, creating high-impact motion graphics and static layouts for the ScoreVision video boards in the Crete High gym and stadium. This course prepares you for the independent, client-based environment of the 12th-grade Multimedia Design capstone.

CARDINAL CREATIVE: Grade 12, Semester | Course Code: 270602
Prerequisites: Successful completion of Graphic Design II with a **C or better**; Teacher approval.

Step into the role of a professional creator in this high-level "creative agency" capstone. During the first quarter, you will collaborate with your peers on large-scale school and community projects, mirroring a real-world studio environment. The final quarter is dedicated to an Independent Study, where you will develop and execute a professional-grade project—integrating video, design, or physical production—that showcases your unique creative voice and serves as the centerpiece of your professional portfolio.

AGRICULTURE PATHWAY

INTRODUCTION TO AG: Grade 10, Year Course Code: 011000
Prerequisite: none; Part of Agriculture pathway
Students will get an introduction into the world of agriculture in this course. The main topics will include Animal Science, Plant Science,Natural Resources and the FFA Organization. All FFA members should take this class. This class will include labs such as injections, welding, land judging, and time spent in the greenhouse. This course may not be offered every year as an elective.

ANIMAL SCIENCE: Grade 11, semester Course Code: 011004
Prerequisite: Introduction to Ag. Part of Agriculture pathway
Students will focus on developing their own livestock operation as we go through the units in this course. This class is full of labs that include a fetal pig dissection, reproductive tracts, and many more. The great thing about the Animal Science curriculum is that the student decides which species they want to focus on throughout the course. This course may not be offered every year as an elective.

HORTICULTURE: Grade 11, semester Course Code: 011007
Prerequisite: Introduction to Ag. Part of Agriculture pathway
This is a lab based course that will be split between the greenhouse and the classroom. Major units include vegetables, floriculture (flowers), aquaculture, and landscaping. Students will have the opportunity to help produce and sell plants at the end of the semester to community members. There are several FFA competitions that are linked to this class and students will have the opportunity to compete in those at the district and/or state level. This course may not be offered every year as an elective.

VETERINARY SCIENCE: Grade 12, semester Course Code: 011015
Prereq: Animal Science
This is a lab-based course where you will experience the soft and technical skills related to Animal Health and Veterinary Science (AHVS). You learn and demonstrate techniques in prevention, diagnosis, and treatment techniques through hands-on skill practice. Then, you use what you practically apply what you learn in Study Problems. Field experiences and inquiry-based lessons help you understand the many areas of animal health care.This class aligns with FFA's Veterinary Science CDE. This course may not be offered every year as an elective.

GREENHOUSE MANAGEMENT: Grade 12 semester Course Code: 018061
Prerequisite**:** Horticulture
This is a lab based course that continues building on skills developed in Horticulture. In this class, students will learn how to manage a commercial greenhouse. You will learn parts, features, greenhouse styles, heating and cooling, Integrated Pest Management (IPM), and more. Students will also manage and organize the Spring Plant Sale. This course may not be offered every year as an elective.

APPLIED PLANT PRODUCTION INDEPENDENT STUDY: Grade 12, semester Course Code: 018061
Prerequisite: completed Horticulture with B or higher
This independent study course engages students in the management of a seasonal greenhouse enterprise focused on poinsettia production and sales. Students develop skills in plant care, greenhouse operations, marketing, and business management.

TECHNICAL SCIENCES ACADEMY

WELDING PATHWAY

WELDING TECHNICAL SCIENCES: Grade 10, semester Course Code: 016004
Prerequisite: none. Part of Welding Pathway
Students will explore career opportunities in the welding industry and develop foundational skills needed for a career in the industry. Students will learn how to safely operate equipment and work in a shop setting. This course will focus on developing skills in O/A welding.

WELDING 1: Grades 10, semester Course Code: 016004
Prerequisite: Welding Technical Sciences. Part of Welding pathway
This course will build upon skills developed in Welding Technical Sciences. Students will continue to develop skills around Oxyacetylene welding. Students will also be introduced to principles of SMAW and GMAW.

WELDING 2: Grades 11, semester Course Code: 016005
Prerequisite: Welding 1. Part of Welding pathway (C minimum for SCC credit)
This course will align with **SENCAP WELD 1101 - SMAW Lab 1** course. Completion of this course will go toward receiving the SENCAP Welding Certificate.

WELDING 3: Grades 11, semester Course Code: 016005
Prerequisites: Welding 2. Part of Welding pathway (C minimum for SCC credit)
This course will align with **SENCAP WELD 1123 - GMAW Lab 1** course. Completion of this course will go toward receiving the SENCAP Welding Certificate.

WELDING 4: Grade 12, semester Course Code:
Prerequisite: Pathway: Welding 2. Part of Welding Pathway
In this course, students will learn principles and techniques of the GTAW process. Students will also have the chance to create a project using principles of welding fabrications.

IF you want to receive SCC Welding Certification, you must complete the following classes as electives. Scheduling is based on teacher availability. Classes are offered as an independent study:

SENCAP WELD 1109 - SMAW Lab 2: Grade 10-12, semester Course Code:
Prerequisite: WELD 1101
This course is required to receive your SENCAP Welding Certificate. This course may not be offered every year.

SENCAP WELD 1105 - OxyAcetylene Welding Grade 10-12, semester Course Code:
Prerequisite: Welding 1 (Pathway or Elective Course), C minimum
This course is required to receive your SENCAP Welding Certificate. This course may not be offered every year.

INFORMATION TECHNOLOGY PATHWAY

GOOGLE IT SUPPORT: Grade 10, semester Course Code 270504
Prerequisites: none- Information Technology Pathway
The Google IT Support will focus on the foundations of networking and operating systems—or how to solve problems using code. You will understand the core concepts of all IT support jobs, including troubleshooting, customer service, networking, system administration, operating systems and security. You will know how to assemble a computer, write effective support documentation, route paths and subnets, manage device software, and more. This certificate program is for anyone who wants to enter the field of IT; no prior experience or is required.

CYBERSECURITY: Grade 10, semester Course Code 270415
Prerequisites: none- Information Technology Pathway
The Google Cyber Security course teaches you how to identify common cybersecurity risks, threats and vulnerabilities, as well as the techniques to mitigate them. This certificate program is for anyone who wants to enter the field of cybersecurity. No prior experience or specific knowledge is required—all you need is an interest in solving puzzles and helping others.

IT PROGRAMMING/AUTOMATION: Grade 11, semester Course Code 270401
Prerequisites: none- Information Technology Pathway
This course builds on your IT foundations. It's designed to teach you how to program with Python and how to use Python to automate common system administration tasks. You'll also learn to use Git and GitHub, troubleshoot and debug complex problems, and apply automation at scale by using configuration management and the Cloud.

IT DIGITAL DESIGN: Grade 11, semester Course Code: 270611
Prerequisites: none- Information Technology Pathway
In this course you will learn the foundations of UX design, including empathizing with users, building wireframes and prototypes, and conducting research to test your designs — and discover how to effectively utilize AI in UX design.UX designers make technology easier and more enjoyable for people to use. They design products and tools so that they are more useful and accessible for users.

DATA ANALYSIS: Grade 12, semester Course Code: 270413
Prerequisites: none- Information Technology Pathway
In this course you will learn how to connect, transform and organize data in order to draw conclusions, make predictions, and drive informed decision making. Upon completing this certificate, you will be able to demonstrate your proficiency in portfolio-ready projects, earn an employer-recognized certificate from Google and qualify for in-demand careers

PROJECT MANAGEMENT: Grade 12, semester Course Code: 103193
Prerequisites: none- Information Technology Pathway
In this course you will discover how to manage projects efficiently and effectively, using traditional and agile methods. Learn foundational project management terminology and gain a deeper understanding of the role, responsibilities and skills of a project manager. Explore the importance of the project life cycle, common project management methodologies, and how organizational structure and culture impact project management.

ENGINEERING PATHWAY

TECHNICAL SCIENCES: Grades 10, semester Course Code: 100100
Prerequisite: none; Part of the Engineering, Construction, and Automotive pathway
Students will first focus on understanding how to become problem solvers. Students will then learn about drafting principles used to document their ideas. Drafting concepts include measuring, blueprint reading, 3D modeling, 3D assemblies, blueprint creation, and 3D printing. Students will build a Cambox that shows that they can design and create a project. They will also create a mini golf course as a small group.

ARCHITECTURAL ENGINEERING: Grades 10, semester Course Code: 100140
Prerequisite: Technical Sciences. Part of the Engineering pathway
Architectural engineering focuses on the study of designing building systems, including the structural, electrical, mechanical, and interior design of buildings. Students will learn how to read and create different types of blueprints used in the construction industry. Some Civil Engineering principles will also be explored. As the class progresses through the year, students will create all blueprints for a small house and large house, walkthrough views of houses, and possibly scaled representations of these projects.

MECHANICAL ENGINEERING: Grades 11, Semester Course Code: 103192
Prerequisite: Technical Sciences. Part of the Engineering pathway
Mechanical Engineering focuses on designing, developing, building, and testing different mechanisms used in everyday life. Students will learn about different principles such as 3D printing, simple mechanisms, gears, hydraulics & pneumatics, electronics, robotics, and manufacturing. Students will use these skills to design and develop projects such as an elevator, robotic arm, marble sorter, and a robot that produces an automated process found in manufacturing.

ROBOTICS: Grades 11, semester Course Code:103194
Prerequisite: none (Independent elective)
Robotics focuses on the construction and programming of human driven and autonomous robots. Students will work in groups to build and test increasingly more complex robots to complete different tasks and compete against other students in the class. Some projects include building a robot that moves an object, building a robot that drives through an obstacle course using sensors and programming, and a ball launcher.

ADVANCED ENGINEERING: Grades 12 semester Course Code: 100141
Prerequisite: Intro. to STS, Mechanical and Architectural Engineering. Part of the Engineering pathway
This is the capstone class for the Engineering Pathway. Students will decide between Architectural or Mechanical Engineering. Students choosing Architectural Engineering will use the skills gained Architectural Engineering to build commercial structures and structural steel buildings. These students' capstone will be to choose an existing commercial structure and redesign it. Students choosing Mechanical Engineering will use the skills gained in Mechanical Engineering to solve complex Manufacturing and Automation problems. These students' capstone projects will come up with a new invention that solves a problem.

CONSTRUCTION PATHWAY

TECHNICAL SCIENCES: Grade 10 year Course Code:100100
Prerequisite: none; Part of the Engineering, Construction, and Automotive pathway
Students will learn the basic principles found in each of the Skilled & Technical Sciences pathways. First semester, students will first focus on understanding how to become problem solvers. Students will then learn about drafting principles used to document their ideas. Drafting concepts include measuring, blueprint reading, 3D modeling, 3D assemblies, blueprint creation, and 3D printing. Second semester, students will learn about different principles used in Construction, Welding, and Automotives.

CONSTRUCTION 1: Grade 11, semester Course Code: 100100
Prerequisite: Technical Sciences. Part of the Construction pathway
Students taking this class will get the hands-on-experience of the simple design of house construction. Students will be introduced to blue-print reading, floor joists and subfloor, wall fabrication, windows, doors, 4/12 roof and finish work. Students will work in teams to build an 8x8 mockup which will include all the mentioned. In addition, students will be able to get their OSHA 10 safety card.

CONSTRUCTION 2: Grade 11, semester Course Code: 100110
Prerequisites: Technical Sciences, Intro to Construction & OSHA 10. Part of the Construction pathway
Students taking Electrical & Plumbing will be using hands-on-experience as well as theory in understanding and applying all aspects of the skills and codes in the industry of electrical and plumbing. Students will work in teams to set cabinets, sinks, toilets and plumb pipe using pex, pvc and copper. After that, students will run electrical wire, hook up ground receptacles, hang ceiling fans, bend conduit, wire a 50 amp fuse box, 2-way light switch as well as install a hot water on demand for the plumbing side. In addition, students will be taking the OSHA 10 hour course to be certified

ADVANCED CONSTRUCTION: Grade 12, Year Course Code: 101922

Prerequisites: Construction 1, Electrical and Plumbing, OSHA 10. Part of the Construction pathway

This advanced course builds on foundational construction skills and prepares students for the technical demands of today's construction industry. Students apply industry-standard methods to complete complex projects in carpentry, electrical systems, masonry, roofing, and advanced tool operation. Emphasis is placed on project planning, blueprint interpretation, precision measurement, site safety, and problem-solving aligned with professional construction standards. Learners work in teams to design and construct real-world builds, maintain accurate documentation, and demonstrate mastery of trade-based competencies. Successful completion positions students for pre-apprenticeships, industry certifications, and continued training within the construction career pathway.

AUTOMOTIVE PATHWAY

AUTO TECHNICAL SCIENCES: Grade 10 Course Year Code:100100

Prerequisite: none; Part of the Engineering, Construction, and Automotive pathway

Students will learn the basic principles found in each of the Skilled & Technical Sciences pathways. First semester, students will first focus on understanding how to become problem solvers. Students will then learn about drafting principles used to document their ideas. Drafting concepts include measuring, blueprint reading, 3D modeling, 3D assemblies, blueprint creation, and 3D printing. Second semester, students will learn about different principles used in Construction, Welding, and Automotives. Drafting concepts learned in the first semester will be used to help plan and build projects in these three fields. These projects may include an Adirondack Chair, Automata Box, and a welding table

SMALL GAS ENGINES: Grade 10, semester Course Code: 101600

Prerequisite: Technical Sciences.

Small Gas Engines provides students with basic information on small engine construction, how the systems operate, lubrication requirements, preventive maintenance practices, servicing techniques, and rebuilding procedures. Students will be required to do tune-ups and overhaul a small gas engine. Topics of this class include: Engine Construction and Principles of Operation, Two and Four Cycle Engines, Fuel Systems, Carburetion, Ignition Systems, Engine Lubrication & Cooling, Measuring Engine Performance and performing Engine Tune-up, Troubleshooting, Service, Maintenance, and Cylinder Reconditioning, Pistons and Piston Rings, Rods, Bearing, and Valves. Students will have to pay for any personal projects.

AUTO MECHANICS 1: Grade 11, semester Course Code: 101600

Prerequisite: Received a B in Small Gas Engines & Teacher Permission.

This course is an extension of the knowledge learned in the Small Gas Engine class. In this class Students will also become familiar with larger automobile engines. All students will have an opportunity to get hands-on experience with a complete tear down, cleaning, inspection, measuring, reconditions, and overhaul procedures. This class will have limited enrollment to ensure that students get lots of "hands-on" experience and one-on-one guidance from the instructor. The class size will be limited to 10 students maximum. Students will be expected to have their own OSHA approved safety glasses. It is a requirement to have overalls and is recommended that students have a pair of old shoes as part of their personal protective equipment.

AUTO MECHANICS 2: Grade 11, semester Course Code:101620

Prerequisite: Received a B in Small Gas Engines, Auto 1, & Teacher Permission.

The focus will mainly be on preventative maintenance of automobiles as well as some minor repairs. Upon completion of this class students will be comfortable with preventing, identifying, and repairing most minor problems prior to them becoming major repairs. Students will have to pay for any personal projects. In this course students will also become familiar with proper care and maintenance of both interior and exterior of automobiles (paint, glass, lighting, wheels and tires). This class may occasionally meet at one of the local dealerships when there are repairs that require specialty tools.

ADVANCED AUTOMOTIVE: Grade 12, semester Course Code:101630

Prerequisite: Received a B in Small Gas Engines & Teacher Permission.

This class may occasionally meet at one of the local dealerships when there are repairs requiring specialty tools. This course is an extension of the knowledge learned in the Small Gas Engine, Auto 1, and Auto 2 class. This will be the Capstone Course of the Automotive Pathway. Focus will go beyond preventative maintenance of automobiles; it will also include major repairs. Upon completion of this class students will be comfortable with preventing, identifying, and repairing most minor problems prior to them becoming major repairs as well as major repairs. This class will have limited enrollment to ensure that students get lots of "hands-on" experience and one-on-one guidance from the instructor. The class size will be limited to 10 students maximum. All repairs will fall under one of the ASE (Automotive Standard of Excellence) certification categories. The categories are Engine Repair, Suspension and Steering, Heating / Ventilation and Air Conditioning, Automatic Transmissions and Transaxles, Manual Drivetrain and Axles, Brakes, Engine Performance, and Electrical. Students will be expected to have their own OSHA approved safety glasses. It is a requirement that students have and wear personal protective equipment. It is recommended that students have a pair of old shoes to protect themselves. Students will have to pay for any personal projects.

EL COURSES

ENGLISH SUPPORT: English Support is designed specifically for English Learners who are working towards meeting the rigorous standards set by the Nebraska Department of Education. This class serves as a dedicated space to provide additional support, guidance, and resources to ensure that EL students excel in their English language proficiency and comprehension skills.

MATH SUPPORT: Math Support is designed specifically for English Learners who are working towards meeting the rigorous standards set by the Nebraska Department of Education. Our goal is to create a supportive and inclusive learning environment where English Learners can confidently build their algebraic skills and develop a strong foundation in mathematical concepts.

SOCIAL STUDIES SUPPORT: Social Studies Support is a specialized academic class designed to provide comprehensive assistance and guidance to students who are non-native English speakers and are navigating the complexities of the Nebraska Department of Education's "Nebraska Social Studies Standards". This course aims to foster language development, cultural understanding, and academic success in any high school social studies class.

SCIENCE SUPPORT: Science Support is a specialized academic class designed to provide comprehensive assistance and guidance to students who are non-native English speakers and are navigating the complexities of the Nebraska Department of Education's "Nebraska's College and Career Ready for Standards for Science". This course is designed to provide a supportive and inclusive learning environment for students who are in the process of mastering the English language while exploring the fascinating world of science.

ENGLISH ACQUISITION: English Acquisition is designed to provide a supportive learning environment for individuals beginning to learn the English language. This course focuses on developing essential language skills, including listening, speaking, reading, and writing.

TIER 2 SUPPORT CLASS: This course is designed to provide targeted assistance and a supportive learning environment for students who are acquiring English language proficiency while engaging with challenging independent/hybrid courses.

ESSENTIALS FOR LEARNING

Designed for students who need more practice based on previous assessment results. Coursework is based on individual student needs. Instruction is evidence based to build skills for future success and meet state and district standards.

Algebra Essentials I A: This is the first year of an expanded Algebra sequence.This course is designed for students who need more practice based on previous assessments results and instruction based on individual student needs. Evidence based instruction is used to build future success and meet state and district math standards including numeric relationships, operations, and algebraic relationships and processes.

Algebra Essentials I B: This is the second year of an expanded Algebra sequence. This course is designed for students who need more practice based on previous assessments results and instruction based on individual student needs. Evidence based instruction is used to build future success and meet state and district math standards including numeric relationships, operations, and algebraic relationships and processes.

Geometry Essentials: This course is designed for students who need more practice based on previous assessments results and instruction based on individual student needs. Evidence based instruction is used to build future success and meet state and district math standards including characteristics, coordinate geometry, and measurement.

Algebra II Essentials: This course is designed for students who need more practice based on previous assessments results and instruction based on individual student needs. Evidence based instruction is used to build future success and meet state and district math standards including algebraic relationships and processes, analysis and application, and probability.

English Essentials I / English Essentials II: This course is designed for students who need more practice based on previous assessments results and instruction based on individual student needs. Evidence based instruction is used to build future success and meet state and district standards including reading informational text, prose and poetry, writing skills, vocabulary, collaboration, and presentation.

English Essentials III / English Essentials IV: : This course is designed for students who need more practice based on previous assessments results and instruction based on individual student needs. Evidence based instruction is used to build future success and meet state and district standards including reading informational text, prose and poetry, writing skills, vocabulary, collaboration, and presentation.

American Studies Essentials: This course is designed for students who need more practice based on previous assessments results and instruction based on individual student needs. Evidence based instruction is used to build future success and meet state and district standards including a social, economic, geographic and political description of American History.

Government/Economics Essentials: This course is designed for students who need more practice based on previous assessments results and instruction based on individual student needs. Evidence based instruction is used to build future success and meet state and district standards including the workings of the national government and a basic introduction to economics.

World Studies Essentials: This course is designed for students who need more practice based on previous assessments results and instruction based on individual student needs. Evidence based instruction is used to build future success and meet state and district standards including the geography, history, culture and current events of different world regions.

Biology Essentials: This course is designed for students who need more practice based on previous assessments results and instruction based on individual student needs. Evidence based instruction is used to build future success and meet state and district standards including structure and function, organisms, ecosystems, heredity, and evolution.

Integrated Science I Essentials: This course is designed for students who need more practice based on previous assessments results and instruction based on individual student needs. Evidence based instruction is used to build future success and meet state and district standards including forces and interactions, matter, energy, and chemical reactions.

Integrated Science II Essentials: This course is designed for students who need more practice based on previous assessments results and instruction based on individual student needs. Evidence based instruction is used to build future success and meet state and district standards including space and earth systems, weather and climate, and sustainability.

Work Based Learning I: This course focuses on academic, technical, and employability skills through experiential learning in a real work environment. Students will engage in a variety of work related activities based on their interests and individual needs.

Work Based Learning II: This course focuses on academic, technical, and employability skills through experiential learning in a real work environment. Students will engage in a variety of work related activities based on their interests and individual needs.

Work Based Learning III: This course focuses on academic, technical, and employability skills through experiential learning in a real work environment. Students will engage in a variety of work related activities based on their interests and individual needs.

Work Based Learning IV: This course focuses on academic, technical, and employability skills through experiential learning in a real work environment. Students will engage in a variety of work related activities based on their interests and individual needs.

Academy Essentials I: This course focuses on the skills and strategies necessary for students to make a successful transition into high school. Students will explore their individual learning styles and interests.

Academy Essentials II: This course focuses on the skills and strategies necessary for students to make a successful transition into post secondary independent living, employment, and educational opportunities. Students will explore their individual learning styles and interests.

Academy Essentials III: This course focuses on the skills and strategies necessary for students to make a successful transition into post secondary independent living, employment, and educational opportunities. Students will explore their individual learning styles and interests.

Academy Essentials IV: This course focuses on the skills and strategies necessary for students to make a successful transition into post secondary independent living, employment, and educational opportunities. Students will explore their individual learning styles and interests.