

**COURSE  
DESCRIPTION  
CATALOG**



**2018 - 2019  
Chanute High School**

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## **GENERAL ENROLLMENT INFORMATION**

### **A. Definition of Terms**

1. Prerequisite: A prerequisite is a requirement or course which must be successfully completed before a student may take another course that is related.
2. Required Course: The State of Kansas and the Board of Education have selected certain courses, which every student must pass if he or she is to receive a high school diploma.
3. Elective Courses: All courses, which are not identified as required courses are considered to be elective courses.

### **B. Student Load**

1. All students must carry a full class load (7 periods) at Chanute High School. Exceptions to this would be approved Early Release in the second semester of the student's senior year or noted on the student IEP or Individual Graduation Plan. Such plans must be approved by the IEP team or SIT team.
2. Students may enroll in college classes and concurrently earn both high school and college credit. Students are responsible to pay tuition and fees for the concurrent credit courses. Merit based scholarships are available for junior and senior students with a 3.6 GPA.
3. Early Graduation – Students may petition to graduate early. An alternative graduation plan needs to be approved by a Student Improvement Team. During the semester prior to submission of the plan, the student must have a 95% attendance record and may not have any D or F grades.

## **VALEDICTORIAN/SALUTATORIAN**

For students to qualify for Valedictorian/ Salutatorian: the student must have the highest rank in the graduating class and have completed the Kansas State Scholarship Program which consists of:

- 4 units of English
- 4 units of Math (minimum courses Algebra I, II, Geometry, Trig (1/2 unit), Probability/ Analytic Geometry (1/2 unit)
- 3 units of Social Studies
- 3 units of Science (Biology, Chemistry, and Physics)
- 2 units of Foreign Language (same language)

Tiebreakers will be used to select one Valedictorian and one Salutatorian or Co-Valedictorian. Tiebreakers in order of selection importance:

- ACT Composite Score
- Senior Year Attendance Rating

## **UNITS REQUIRED FOR GRADUATION**

**Grades 9, 10, 11, 12 – 25 units**

### **ACADEMIC RIGOR**

The “statement of academic rigor” is necessary to provide Chanute High School students with the greatest challenge and fulfillment possible. Additionally, we believe that each student attending our school will be prepared for post-secondary education. (The definition for “post-secondary education” in this rigor statement shall refer to student readiness for additional training/not specific to college enrollment) In order to fulfill this mission, students must enroll in the most challenging classes.

CHS students will be required and/or encouraged to maintain a schedule that complies with the requirements of the Student Handbook and the Course Description Book, including compliance with the following:

1. Seniors will be enrolled in a minimum of 3 academic courses at all times. At least 4 of their classes must carry ½ unit of weight.

2. Students will be placed in the appropriate math class as a freshman or new student and will complete 3 full units by following the department sequence. Initial placement will be determined by administration, teachers, and counselors using past performance in classes and on achievement tests.
  - a. Math Sequence – Math Lab, Algebra I, Geometry, Algebra II, Trigonometry and/or Pre-Calculus; \*Business Math by placement only.
  - b. Seniors who have completed 3 full units of math do not have to enroll in a math class unless they have not yet completed Algebra I. Completion of Algebra I or progress toward that goal is the building minimum.
3. All CHS students must complete 1 unit of Physical or Earth/Space Science, 1 unit of Life Science (Biology or Applied Biology), and 1 unit of science as follows:
  - a. Students meeting the mathematics prerequisite(s) and who have a Reading MAP score of 226 and above must take Chemistry or Human Physiology to complete their third unit of science.
4. Students “flagged” for improvement in a core class may be required to take 2 classes per semester in that core area based on the following (currently only using Math and Reading):
  - a. Student did not “meet standard” on the previous Kansas Assessment.
  - b. Student scores at the 33<sup>rd</sup> percentile or lower on MAP Assessment combined with lower performance in English classes.
5. Students enrolled in “year-long” courses will only be allowed to drop courses with administrative permission. Such changes will be discouraged.

## **REQUIRED COURSE OF STUDY**

### **FRESHMAN YEAR**

- |                                   |        |
|-----------------------------------|--------|
| ▪ English 9 or equivalent         | 1 unit |
| ▪ Math                            | 1 unit |
| ▪ Physical Science*               | 1 unit |
| ▪ Physical Dimensions             | 1 unit |
| ▪ 21 <sup>st</sup> Century Skills | 1 unit |

### **SOPHOMORE YEAR**

- |                            |        |
|----------------------------|--------|
| ▪ English 10 or equivalent | 1 unit |
| ▪ Biology*                 | 1 unit |
| ▪ World History            | 1 unit |
| ▪ Math                     | 1 unit |

### **JUNIOR YEAR**

- |                                  |        |
|----------------------------------|--------|
| ▪ English 11                     | 1 unit |
| ▪ Science                        | 1 unit |
| ▪ Math                           | 1 unit |
| ▪ American History or equivalent | 1 unit |

### **SENIOR YEAR**

- |                            |        |
|----------------------------|--------|
| ▪ English 12 or equivalent | 1 unit |
| ▪ Government               | 1 unit |

\*Alternative PLTW Science Pathway available by approval.

### **GRADUATION REQUIREMENTS**

The following are the requirements for graduation from Chanutte High School:

- |                            |         |
|----------------------------|---------|
| ▪ English                  | 4 units |
| ▪ Mathematics              | 3 units |
| ▪ Science                  | 3 units |
| ▪ Social Science           | 3 units |
| ▪ Fine Arts                | 1 unit  |
| ▪ PE                       | 1 unit  |
| ▪ Career and Technology Ed | 1 unit  |
| ▪ Electives                | 9 units |

## **KANSAS QUALIFIED ADMISSIONS**

The following are the requirements for high school graduates entering most four-year Kansas colleges or universities:

- English 4 units  
No Applied or Skills Courses
- Math 3 units minimum of 3 units at or above  
the level of Algebra I, taken in HS  
& ACT college readiness math  
benchmark of 22
- Science 3 units  
One must be Chemistry or Physics  
No Applied Courses
- Social Studies 3 units  
World History, Am. History, Government

## **KANSAS SCHOLARS CURRICULUM**

The following are the requirements for high school graduates wishing to apply for the State of Kansas Scholarship Program.

Completion of the Kansas Scholars Curriculum is one component of the scholarship requirements.

- English 4 units  
(No Applied or Skills Courses)
- Math 4 units  
(Minimum of Algebra I, Geometry,  
and Algebra II; plus one unit advanced  
math beyond Algebra II)
- Science 3 units  
Biology, Chemistry, Physics  
No Applied Courses
- Social Studies 3 units  
World History, Am. History, Government
- Computer Technology 1 unit
- Foreign Language 2 units  
2 units of the same foreign language

\* ACT test must be taken by December of the student's senior year to be eligible for State Scholar.

# LANGUAGE ARTS

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## **English 9 -- Full year course (1 unit) Course No. 1010**

In this year-long course students will study grammar, basic writing skills, literature, and will review the Six Trait Writing Model. Students will establish a background in reading and writing about literature by studying plays, mythology, novels, short stories, and poetry as well as non-fiction forms.

*Kansas Board of Regents Approved*

Level offered: 9

Prerequisite: None

## **Honors English 9 -- Full year course (1 unit) Course No. 1120**

As in regular English 9, students will study grammar, basic writing skills, literature, and review the Six Trait Writing Model. Students will establish a background in reading and writing about literature by studying plays, mythology, novels, short stories, and poetry as well as non-fiction forms. The quantity of the content will be accelerated in this course as compared to English 9. The quality and difficulty of the written material will also be more advanced.

*Kansas Board of Regents Approved*

Level offered: 9

Prerequisite: Enrollment in Honors English 9 is by invitation only. Criteria used to determine eligibility for honors will be MAP scores, grades, attendance, teacher recommendation(s), and a writing sample.

Upon entering Honors English for the first time at CHS, there will be a required parent meeting describing the differences in expectations between regular English and Honor level English. Parents who cannot attend the meeting will be allowed to sign a letter stating that the expectations of the class have been shared.

Students must score at least 80% in Honors in order to progress on to the next semester. Students earning a 74-79% will be in a probationary period. These students will have to bring their grades up to 80% by the next semester's conclusion to continue on in Honors. Students who do not raise their grade to 80% after two consecutive semesters will not remain in Honors.

## **Applied Language Arts -- Full year course (1 unit) Course No. 1243**

Reading instruction will be given in several formats: computer programs, large group work, small group work, books, and audiotapes.

Level Offered: 9-12

Prerequisite: Administrative/Counselor recommendation using state reading and writing assessment scores and MAP.

## **English 10 -- Full year course (1 unit) Course No. 1020**

The focus of this year-long course will balance between the fundamentals of writing sentences, paragraphs, papers, and the fundamentals of reading, understanding, and evaluating literature. Student compositions will emphasize good structure, organization, and usage. Literature read by students will include a variety of genres, such as poetry, drama, the novel and the short story.

*Kansas Board of Regents Approved*

Level Offered: 10

Prerequisite: English 9

## **Honors English 10 -- Full year course (1 unit) Course No. 1140**

Studies in the sophomore year would focus primarily on the individual in literature. Students would be expected to read assigned material and respond, in written and verbal analyses, as to how traditional literary figures reflect universal themes such as maturation, social/political, evolution, human behavior, naturalism, moral conflict, duty and isolationism. Grades will be determined by satisfactory completion of written and verbal assessments of the literature studied. Additional information can be obtained from the instructor.

*Kansas Board of Regents Approved*

Level offered: 10

Prerequisite: English 9. Enrollment in Honors English 10 is by invitation only. Criteria used to determine eligibility for honors will be MAP scores, grades, attendance, teacher recommendation(s), and a writing sample.

Upon entering Honors English for the first time at CHS, there will be a required parent meeting describing the differences in expectations between regular English and Honor level English. Parents who cannot attend the meeting will be allowed to sign a letter stating that the expectations of the class have been shared. Students must score at least 80% in Honors in order to progress on to the next semester. Students earning a 74-79% will be in a probationary period. These students will have to bring their grades up to 80% by the next semester's conclusion to continue on in Honors. Students who do not raise their grade to 80% after two consecutive semesters will not remain in Honors.

**English 11 -- Full year course (1 unit) Course No. 1030**

This year-long course emphasizes the study of American literature and essay, expository, report and creative writing. Students will also review grammar and usage skills as they apply to the writing process and the Six Trait Writing Model.

*Kansas Board of Regents Approved*

Level offered: 11

Prerequisite: English 10

**AP English Language and Composition – Full year course (1 unit) Course No. 90980**

AP English Language and Composition is an intensive yearlong course designed to prepare students for the AP English Examination administered each May by the College Board. Students will write about a variety of subjects from a variety of disciplines and demonstrate an awareness of audience and purpose. The overarching objective in this writing course is to enable students to write effectively and confidently in their college courses across the curriculum and in their professional and personal lives. The AP Language course will teach students to read primary and secondary sources carefully, to synthesize material from these texts in their own compositions, and to cite sources using conventions recommended by universities and professional organizations.

Another purpose of the AP English Language and Composition course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. Students enrolling in this class should have an excellent attendance record and proven academic performance in Honors English 9 and 10 or equivalent courses.

*Kansas Board of Regents Approved*

Level offered: 11

**Applied Communications I – Full year course (1 unit) Course No. 1330**

Level offered: 11

**Applied Communications II – Full year course (1 unit) Course No. 1340**

Level offered: 12

These courses will heavily emphasize reading strategies, grammar, and basic writing skills. . Students not scoring at or above the “Satisfactory” Level on the 11<sup>th</sup> Grade Kansas Reading and Writing Assessments will be required to enroll and pass this course to earn a Chanute High School Diploma.

Prerequisite: Administrative/Counselor recommendation using State reading and writing assessment scores and MAP.

**English 12 -- Full year course (1 unit) Course No. 1040**

In this full year course, students will read and discuss significant English literature and apply the reading and discussions to written assignments. Students will be assigned numerous short (200-300 word) analytical papers stressing different aspects of academic writing (cause/effect, narrative, technical, contrast/compare, etc.). Students will also complete a significant research project in MLA format. Particular emphasis will be placed on reinforcing student mastery of basic rules of composition and usage while completing analytical prose designed to promote proficiency of critical thinking skills.

*Kansas Board of Regents Approved*

Level offered: 12

Prerequisite: English 11

**English 12/Concurrent Credit – Comp. I & Comp. II - Full year course (1 unit) Course No. 1370**

In the first semester, this course will focus on literature that illustrates, explains, and/or considers the plight of the individual when placed in conflict with the primary social, political, and economic systems in cultures and civilizations regardless of the time. The course will also consist of instruction and practice in the fundamentals of writing with emphasis on grammatical correctness, acceptable usage, and effective organization of ideas. Exposition is the primary basis for such emphasis. Students will proceed through basic skills tests. In the second semester, this course will focus on literature that illustrates, explains, and/or considers the plight of the individual when placed in conflict with the primary

social, political, and economic systems in cultures and civilizations regardless of the time. Constructive writing is continued with the emphasis on a long investigative paper in MLA style. Readings on moral, political, and social issues are used to acquaint students with contrasting opinions and to encourage them to organize their own ideas on these issues. Practice in effective writing and development of an adequate vocabulary are emphasized. Grades will be determined by satisfactory completion of written and verbal assessments of the literature studied.

This is a Neosho County Community College course taught by Chanute High School staff during the school day. Students will be required to complete all NCCC course objectives. The student must pay tuition and books for the course. Merit based scholarships are available for students with a 3.6 GPA.

*Kansas Board of Regents Approved*

Level offered: 12

Prerequisite: Minimum English score of 17 on the ACT, 25 Writing score on the Asset, or 55 Writing score on the Compass.

**AP English Literature and Composition – Full year course (1 unit) Course No. 90990**

The AP English Literature course includes intensive studies of representative works from various genres and periods, concentrating on works of recognized literary merit. Such reading will be accompanied by thoughtful discussion and writing about those books in the company of fellow students. Reading will be both wide and deep and build upon the reading done in previous English courses. In addition to considering a work's literary artistry, students will reflect on the social and historical values it reflects and embodies. Careful attention to both textual detail and historical context provides a foundation for interpretation, as critical perspectives are brought to bear on the literary works studied.

Students enrolling in this class should have an excellent attendance record and proven academic performance in Honors English 11 or equivalent advanced courses.

*Kansas Board of Regents Approved*

Level offered: 12

**Dramatic Literature -- One semester course (1/2 unit) Course No. 1360**

Members of this class will study acting, make-up, costume, and set design and building. Acting will be emphasized. As a final project, the class will present a play to an audience. Active participation is required to pass the class. Some out-of-class working time will be required for rehearsal and set building.

Level offered: 9, 10, 11, 12

Prerequisite: None

**Forensics -- One semester course (1/2 unit) Course No. 1192**

The student will prepare several selections for class performance in the events of forensics and a small number for competition. The events range from reading, speeches, and solo acting to one-act plays. Students must be prepared to travel on weekends to tournaments and festivals. They should also be prepared to perform on occasion for local clubs and organizations in the community of Chanute. Grades will be determined by quality of class and competitive performance, attitude, effort, tests, and assignments. This class will be classified as a Fine Arts credit and may be repeated for credit.

Level offered: 9, 10, 11, 12

Prerequisite: None

**Debate I -- One semester course (1/2 unit) Course No. 1201**

This class requires the student to master the arts involved in scholastic debate, as well as the mastery of the national debate topic each year. Students must be willing to travel to tournaments on **Fridays and Saturdays (3)** throughout the first semester of the school year. Research, organization, and platform speaking will be stressed. Tests, assignments, class performance, and competition performance will determine grades. Freshmen should take Forensics following debate. This class may be repeated for credit.

Minimum requirements: 45 percentile on MAP Reading test or instructor approval.

Level offered: 9, 10, 11, 12

Prerequisite: None

**Debate II -- One semester course (1/2 unit) Course No. 1211**

The students in this class will extend their competency in scholastic debate and their mastery of debate theory. Students must be willing to travel on weekends during the debate season. Research, organization, and debate theory will be



stressed. Tests, assignments, class competition, and interscholastic competition will determine grades. This class may be repeated for credit.

Level offered: 10, 11, 12

Prerequisite: Debate I

**Speech/Concurrent Credit -- One semester course (1/2 unit) Course No. 1320**

This course is a study of actual speaking situations and how to meet them successfully. The aim of this course is to help the student gain more self-confidence in everyday speaking situations and develop and improve habitual oral skills.

This is a Neosho County Community College course taught by Chanute High School staff during the school day. Students will be required to complete all NCCC course objectives. The student must pay tuition, fees, and books for the course. Merit based scholarships are available for students with a 3.6 GPA.

*Kansas Board of Regents Approved*

Level offered: 11, 12

Prerequisite: None

**ESOL – One semester course (1/2 Unit) Course No. 1380**

English as a Second Language (ESL) courses are designed for the rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. ESL courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. These courses provide an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then to advance to “regular” English courses. ESL classes may also include an orientation to the customs and culture of the diverse population in the United States.

Level offered: 9, 10, 11, 12

Prerequisite: None

## MATHEMATICS

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**Math 9 Essentials – Full year course (1 unit) Course No. 1918**

Math 9 Essentials emphasizes proficiency in essential skills involving numbers and operations, algebra, geometry, statistics, and probability. This course is offered as the first course in a 3-year sequence for high school graduation credit. The pathway includes: Math 9 Essentials, Math 10 Essentials, and Business Math.

Level offered: 9

Prerequisite: none

**Math 9 – Full year course (1 unit) Course No. 2018**

Math 9 emphasizes proficiency in skills involving numbers and operations, algebra, geometry, statistics, and probability. This course is offered as the first course in a 4-year sequence of college-preparatory mathematics courses. The pathway includes: Math 9, Math 10, Math 11, and College Algebra/College Statistics.

*Kansas Board of Regents Approved*

Level offered: 9

Prerequisite: none

**Honors Math 9 – Full year course (1 unit) Course No. 2118**

Honors Math 9 emphasizes proficiency in skills involving numbers and operations, algebra, geometry, statistics, and probability at an accelerated pace. This course is offered as the first course in a 4-year sequence of college-preparatory mathematics courses. The Honors Curriculum Pathway includes: Honors Math 9, Honors Math 10, Pre-Calculus with Trigonometry, and Calculus.

*Kansas Board of Regents Approved*

Level offered: 9

Prerequisite: Middle School Recommendation and MAP Score

**Math 10 Essentials – Full year course (1 unit) Course No. 2318**

Math 10 Essentials emphasizes proficiency in essential skills involving numbers and operations, algebra, geometry, statistics, and probability. This course is offered as the second course in a 3-year sequence for high school graduation credit. The pathway includes: Math 9 Essentials, Math 10 Essentials, and Business Math.

Level offered: 10

Prerequisite: Math 9 or Math 9 Essentials

**Math 10 – Full year course (1 unit) Course No. 2418**

Math 10 emphasizes proficiency in skills involving numbers and operations, algebra, geometry, statistics, and probability. This course is offered as the second course in a 4-year sequence of college-preparatory mathematics courses. The pathway includes: Math 9, Math 10, Math 11, and College Algebra/College Statistics.

*Kansas Board of Regents Approved*

Level offered: 10

Prerequisite: Honors Math 9 or Math 9

**Honors Math 10 – Full year course (1 unit) Course No. 2518**

Honors Math 10 emphasizes proficiency in skills involving numbers and operations, algebra, geometry, statistics, and probability at an accelerated pace. This course is offered as the second course in a 4-year sequence of college-preparatory mathematics courses. The Honors Curriculum Pathway includes: Honors Math 9, Honors Math 10, Pre-Calculus with Trigonometry, and Calculus.

*Kansas Board of Regents Approved*

Level offered: 10

Prerequisite: Honors Math 9

**Geometry -- Full year course (1 unit) Course No. 2030**

A successor to Algebra II - Geometry will help students gain success in mathematics for preparing them for college coursework, career challenges, and global competitiveness. Only some students will pursue careers in math and science; still, all students will benefit from learning to analyze problem situations and developing effective solutions plans. The following objectives will give students the ability to be college-and career-ready and to lead successful lives as citizens and leaders of the 21<sup>st</sup> century: (1) Tools of Geometry; (2) Reasoning and Proof; (3) Parallel and Perpendicular Lines; (4) Triangles; (5) Polygons and Quadrilaterals; (6) Similarities; (7) Trigonometry; (8) Transformations; (9) Area, Surface Area, and Volume. MAP testing will be used throughout the year to monitor each student's accomplishments. These objectives are mastered through the use of textbook resources, technology resources, and a wide range of activities developed by the teacher. *A Scientific Calculator is recommended.*

*Kansas Board of Regents Approved*

Level offered: 11,12

Prerequisite: Algebra II, MAP Score, teacher recommendation

**Pre-Calculus with Trigonometry -- Full year course (1 unit) Course No. 2180**

Pre-Calculus is an intensive one-year course designed to prepare students for AP Calculus (2151/2152). It shall include all of the content of Trigonometry, Probability/Analytic Geometry, and Functions. Students will learn to group functions into families and manipulate them algebraically. Functions will be used to create mathematical models that help to understand the real world.

*Kansas Board of Regents Approved*

Level offered: 11

Prerequisite: Honors Algebra II

**Business Math I -- One semester course (1/2 unit) Course No. 2121**

Business Math I is a successor to two years of mathematics at the high school level. In Business Math I students will study two units – Unit 1: Financial responsibility and decision making. Focusing on the creation of a financial plan, goal setting, and budgeting. Unit 2: Income and Careers. In addition, discussing taxes, benefit packages, and how certain trends in the economy can impact society.

Level offered: 11,12

Prerequisite: Two years of secondary math courses

**Business Math II -- One semester course (1/2 unit) Course No. 2132**

Business Math II is a successor to Business Math I. In Business Math II students will continue with concepts from Business Math I. Business Math II will have a Unit 3: Focus on spending and credit and Unit 4: Focuses on saving and investing, including investment vehicles and time value of money, and retirement and estate planning.

Level offered: 11,12

Prerequisite: Business Math I and two years of secondary math courses

**Transition to College Algebra – Full year course (1 unit) Course No. 2218**

This course addresses a variety of mathematical topics needed to prepare students for success in college-level mathematics. Mathematics topics include: numeracy; manipulating and evaluating expressions and formulas; rates, ratios, and proportions; percentages; solving tables; verbal, algebraic, and graphical interpretations of functions; rational expressions; solving systems of linear and quadratic equations; properties of higher degree equations; and operations with rational exponents. The course was developed to align with both the Kansas College and Career Readiness Standards and the developmental math outcomes of the Kansas Board of Regents.

*Kansas Board of Regents Approved*

Level offered: 12

Prerequisite: Algebra II, 3 years of Math including Math 9, Math 10, and 1 more beyond, MAP Score, ACT Score, Accuplacer Score

**Advanced Algebra/Concurrent Credit – One semester course (1/2 unit) Course No. 2241**

This is a standard College Algebra course designed for students who have successfully completed 2 years of Algebra in high school. Topics covered will be listed in the most current course syllabus on file at NCCC.

This is a Neosho County Community College course taught by Chanute High School staff during the school day. Students will be required to complete all NCCC course objectives. The student must pay tuition, fees, and books for the course. Merit based scholarships are available for students with a 3.6 GPA.

*Kansas Board of Regents Approved*

Level offered: 12

Prerequisites: Minimum math score of 22 on the ACT or standards set for Accuplacer test by NCCC for college credit.

**Elementary Statistics – One semester course (1/2 unit) Course No. 2618 State Course Code 02201**

This is a standard introductory course in elementary statistics. The content includes descriptive and inferential statistics and the study of probability. Calculation techniques for descriptive statistics, normal distributions, confidence intervals, sample size, hypothesis testing, and correlation will be presented. The application problems make this course appropriate for students who may need to describe a population or research a problem in a class such as psychology, sociology, business, computer science, biology, education, technology, liberal arts, social science, nursing, allied health care, economics, ecology, and agriculture. This is a senior level dual credit college class.

This is a Neosho County Community College course taught by Chanute High School staff during the school day. Students will be required to complete all NCCC course objectives. The student must pay tuition, fees, and books for the course. Merit based scholarships are available for students with a 3.6 GPA.

*Kansas Board of Regents Approved*

Level offered: 12

Prerequisites: College Algebra

**Calculus/Concurrent Credit – Full year course (1/2 unit) Course No. 2192**

A study is made of some topics in analytic geometry, functions and limits. The theory and applications of the derivative and integral are then developed.

This is a Neosho County Community College course taught by Chanute High School staff during the school day. Students will be required to complete all NCCC course objectives. The student must pay tuition, fees, and books for the course. Merit based scholarships are available for students with a 3.6 GPA. First semester will be an introduction to Calculus; second semester will be for NCCC credit.

*Kansas Board of Regents Approved*

Level offered: 12

Prerequisite: Functions/Limits, Minimum math score of 22 on the ACT or standards set for Accuplacer test by NCCC for college credit

**AP Calculus AB -- Full year course (1 unit) Course No. 2150**

Advanced Placement (AP) Calculus is an intensive yearlong course designed to prepare students for the AP Calculus AB Examination administered each May by the College Board. This course will be comparable to a college calculus course therefore college credit and/or advanced placement at nearly 3000 colleges and universities, may be awarded for a satisfactory score on the exam. Students will be expected to take the AP Examination at their own expense. In addition to the prerequisite listed below the students enrolling in this class should have an excellent attendance record and proven academic performance. Each student must have a solid foundation in algebra, geometry, trigonometry, analytic geometry, and function theory measured by course academic outcomes.

*Kansas Board of Regents Approved*

Level offered: 12

Prerequisite: Pre-Calculus with Trigonometry  
(no concurrent enrollment)

## **SOCIAL SCIENCE**

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**World History/Cultures -- Full year course (1 unit) Course No. 3000**

This course will present a survey of humankind's political, economic, social and cultural achievements from the earliest civilizations to the beginning of the twentieth century. Some units will explore the cultures of non-western peoples.

*Kansas Board of Regents Approved*

Level offered: 10

Prerequisite: None

**Basic World History/Cultures -- Full year course (1 unit) Course No. 3010**

This class will feature the same Social Studies objectives as the World History Cultures class. Students needing improvement in reading and writing skills will be targeted for this course. Middle School state assessment scores will be used to flag students and it will be a high priority for flagged students to take this class.

Level offered: 10

Prerequisite: Enrollment subject to Department/Counselor/Administration review

**Economics -- Semester course (0.5 units) Course No. 3352**

This course integrates economic principles such as free market economy, consumerism and the role of the American government within the economic system, with business concepts such as marketing principles, business law and risk. Emphasis will be placed on demonstration of skills and understanding of academic, technical, ethical and legal issues while developing skills in problem solving, critical thinking and employability skills.

Level offered: 12

Prerequisite: None

**Government -- Semester course (0.5 units) Course No. 3300**

In this class, the student will study the basic elements of political science, the American election process, other types of government in the world, and the process of government at the local level. In addition, objectives covering current events, the Constitution, the office of the President, development and passing of law, and economics will be studied.

*Kansas Board of Regents Approved*

Level offered: 12

Prerequisite: None

**Basic Government -- Full year course (1 unit) Course No. 3440**

In this class, the student will discover the historic foundations of our Constitution, the construction of the Constitution, as well as the function of the three branches of government. They will also take a closer look at citizenship, economics, rights and responsibilities, and current events. Additional objectives include covering world governments, the election process, and the development and passage of law.

Level offered: 12

Prerequisite: Enrollment subject to Department/ Counselor/Administration review

**American History -- Full year course (1 unit) Course No. 3150**

This course is a basic survey course in American history. A chronological approach will be used, beginning with the period of reconstruction. One full year of study is required to complete this junior requirement. Grade will be determined by written examinations plus map work, worksheets and various research assignments.

*Kansas Board of Regents Approved*

Level offered: 11

Prerequisite: None

**Basic American History -- Full year course (1 unit) Course No. 3200**

This course will feature the same Social Studies objectives as the American History class. Students needing improvement in reading and writing skills will be targeted for this course. Students will be selected for this class based on test scores and previous Social Studies courses taken.

Level offered: 11

Prerequisite: Enrollment subject to Department/ Counselor/Administration review

**American History / Concurrent Credit -- Full year course (1 unit) Course No. 3390**

Concurrent Credit American History is offered for high school credit and NCCC credit. The content follows the outcomes for NCCC course HIST 2002 United States History II (1850-1914). Students should be prepared for essay tests and completing one research project and one book report.

This is a Neosho County Community College course taught by Chanute High School staff during the school day. Students will be required to complete all NCCC course objectives. The student must pay tuition, fees, and books for the course. Merit based scholarships are available for students with a 3.6 GPA.

*Kansas Board of Regents Approved*

Level offered: 11 & 12

Prerequisite: None

**American Government / Concurrent Credit -- One semester course (1/2 unit) Course No. 3452**

Concurrent Credit American Government will cover American Government objectives involving the structure of the American Government, the roles of the three branches of government, domestic policy, foreign policy, and major constitutional issues. An historical case study approach will be used integrating 20<sup>th</sup> Century United States history with American Government. Students will be required to take essay examinations, write persuasive and expository essays over current political issues, and do a research project. The college credit for this course will be American Government; the high school credit will be American History.

This is a Neosho County Community College course taught by Chanute High School staff during the school day. Students will be required to complete all NCCC course objectives. The student must pay tuition, fees, and books for the course. Merit based scholarships are available for students with a 3.6 GPA.

Level offered: 11, 12

Prerequisite: American History/Concurrent Credit.

**Psychology/Concurrent Credit -- One semester course (1/2 unit) Course No. 3400**

This course is an introduction to the science of psychology including an emphasis on its historical and philosophical basis, the underlying principles of scientific methodology, as well as the principles of neuroscience, learning, intelligence, consciousness, personality, life-span development, and psychopathology and treatment, among others. This course meets or exceeds requirements in content and rigor for General Psychology PSY 155 in the NCCC curriculum.

This is a Neosho County Community College course taught by Chanute High School staff during the school day. Students will be required to complete all NCCC course objectives. The student must pay tuition, fees, and book costs for the course. Merit based scholarships are available for students with a 3.6 GPA.

*Kansas Board of Regents Approved*

Level offered: 11, 12

Prerequisite: None

**Sociology/Concurrent Credit -- One semester course (1/2 unit) Course No. 3180**

Through this course, students will begin to unravel the social factors underlying social phenomena. This course will introduce the student to sociological theories and concepts for evaluating human interactions and institutions. The use of

multi-media techniques for gathering information, (e.g. the internet, films, and interactive software) will allow the student to apply the sociological theories and concepts to contemporary social issues.

This is a Neosho County Community College course taught by Chanute High School staff during the school day. Students will be required to complete all NCCC course objectives. The student must pay tuition, fees, and book costs for the course. Merit based scholarships are available for students with a 3.6 GPA.

Level offered: 11, 12

Prerequisite: None

**AP European History -- Full year course (1 unit) Course No. 3460**

Europe since 1450. This course is a survey of European history with an emphasis on political, economic, and cultural developments as well as European interaction with the non-European world. Students will be expected to read college-level material, write essays involving document analysis, and complete significant research projects. Students who take this course will prepare to take the AP exam in European History. Sophomore students may take this as a replacement class for the required World History.

Level offered: 10, 11, 12

Prerequisite: None

## SCIENCE

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**Physical Science -- Full year course (1 unit) Course No. 4000**

The physical science program consists of providing a learning atmosphere that enhances the student's curiosity and discovery on understanding the world around them. This course helps students understand the value of science in their lives. For students planning to take physics and/or chemistry later on, physical science provides a good base of understanding in those subject areas and for students who do not plan to take physics or chemistry, this course provides a hands-on learning environment to help them better understand the world around them. Specific topics of study include: Chemistry - the structure and properties of matter, atoms and the periodic table, and chemical reactions; and Physics - motion and forces, machines, electricity and magnetism, heat, light and sound.

*Kansas Board of Regents Approved*

Level offered: 9

Prerequisite: None

**Applied Physical Science -- Full year course (1 unit) Course No. 4040**

This course will cover the concepts and forces that drive global existence. With hands-on activities and teacher directed lecture. Applied Physical Science will lay the foundation for future science course work. The course will take on physics and chemistry concepts in a format for the non-college bound student. Specific topics of study include: Chemistry - the structure and properties of matter, atoms and the periodic table, and chemical reactions; and Physics - motion and forces, machines, electricity and magnetism, heat, light and sound.

Level offered: 9

Prerequisite: Enrollment subject to Department/Counselor/Administration review.

**Principles of Biomedical Science – Full year course (1 unit) Course No. 4217 - Kansas Course Code 14251**

In this introductory course of the Project Lead the Way Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Level offered: 9, 10, 11, 12

Prerequisite: None

**Human Body Systems – Full year course (1 unit) Course No. 4218 – Kansas Course Code 14102**

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition

software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.

Level offered: 10, 11, 12

Prerequisite: Principles of Biomedical Science

**Medical Interventions – Full year course (1 unit) Course No. 4219 – Kansas Course Code 14105**

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

Level offered: 11, 12

Prerequisite: Principles of Biomedical Science and Human Body Systems

**Biology -- Full year course (1 unit) Course No. 4020**

This course will cover the basic areas of life science, with emphasis on general scientific concepts such as the cell and its environment, photosynthesis, protein synthesis, DNA, and genetics. Approximately one nine weeks will be spent on plant life cycle and one nine weeks on animal life cycles.

*Kansas Board of Regents Approved*

Level offered: 10

Prerequisite: None

**Honors Biology -- Full year course (1 unit) Course No. 4025**

The purpose of this course is to provide advanced sophomore students the ability to develop Biology process skills through exploratory experiences, laboratory and real-life applications in the biological sciences. Students will be expected to move at a faster pace than the regular level sophomore biology class in order to help prepare students for the rigors and challenges that they will experience in an upper level or college advanced science course.

The content includes the nature of science (matter, energy and chemical processes of life), cells (biology, reproduction and communication), Mendelian and molecular genetics (principles, diversity and biotechnologies), levels of organization (classification and taxonomy), structure, function and reproduction of microorganisms, plants and animals, Darwinian theories of evolution, biological selection, adaptations and changes in populations through time. Throughout the course, agricultural, food, medical technologies and careers in biological fields will also be addressed.

Laboratory investigations are an integral part of this course and include the use of scientific research, measurement, laboratory technologies and safety procedures.

*Kansas Board of Regents Approved*

Level offered: 10

Prerequisite: None

**Applied Biology -- Full year course (1 unit) Course No. 4010**

This course will cover the basic areas of life science, with emphasis on understanding life processes. The course is designed to better accommodate the needs of the non-college bound student in the area of biology.

Level offered: 10

Prerequisite: Enrollment subject to

Department/Counselor/Administration review

**Chemistry -- Full year course (1 unit) Course No. 4170**

This course is directed toward the college bound students to give them an understanding in chemical theory, which will be beneficial in advanced science classes. The non-science oriented student will obtain basic scientific knowledge to help them better cope with science in their daily lives. The student will learn to work with a periodic table and to write and balance chemical equations. The topics studied will include the mole concept, the gas laws, ionization, acid-base theory, periodicity, atomic theory, solutions, and types of reactions. There will be problems related to all areas of studies.

*Kansas Board of Regents Approved*

Level offered: 11, 12

Prerequisite: Completed or currently enrolled in Algebra II

**Honors Chemistry -- Full year course (1 unit) Course No. 4173**

A challenging course designed to give students the opportunity to go into greater detail on topics covered, as well as give students increased responsibility. This course is dedicated toward college bound students to give them an understanding in chemical theory, which will be beneficial in advanced science classes. The non-science career-oriented students will obtain basic scientific knowledge to help them better cope with science in their daily lives. The students will learn to work with a periodic table and to write and balance chemical equations. The topics studied will include the mole concept, gas laws, ionization, acid-base theory, periodicity, atomic theory, solutions, and types of reactions. There will be problems related to all areas of studies. Laboratory investigations will also be an integral part of this course, and will include the use of scientific research, measurement, laboratory technologies, and safety procedures.

*Kansas Board of Regents Approved*

Level offered: 11, 12

Prerequisite: Completed or currently enrolled in Algebra II, MAP Score of 245, and teacher recommendation

**Physics -- Full year course (1 unit) Course No. 4180**

After a brief introduction to units and vectors, several areas will be examined. Mechanics is the study of force and motion, acceleration and velocity, work, and energy. The properties of light are studied and three classical models are explored. Electricity and magnetism and a survey of nuclear physics, conclude the course.

*Kansas Board of Regents Approved*

Level offered: 11, 12

Prerequisite: Trigonometry or seniors may enroll concurrently with Trigonometry

**Environmental Science -- One semester course (1/2 unit) Course No. 4033**

Environmental Science is a curriculum that is designed to introduce students to major ecological concepts and environmental problems that affect the world in which we live. The course will analyze man's relationship, interactions and impact on Earth. Major topics integrated into the curriculum include the study of ecology and natural resources. Energy, recycling, pollution, population dynamics and cultural perspectives will be studied and incorporated to promote awareness and understanding. During the first quarter a portion of time is dedicated to Hunters Safety Education certification.

Level offered: 9, 10, 11, 12

Prerequisite: None

**Earth and Space Science -- Full year course (1 unit) Course No. 4120**

This course is designed to study the geology of planet Earth, and its place in the solar system and the galaxy. Plate tectonics is the driving force of the geology of our planet and will be studied in depth. Astronomy topics will include the earth-moon-sun system, small and large bodies in the solar system, stellar evolution, and galaxies. Field trips to local geological sites and astronomical observatories are possible depending upon resources and time.

Grade: 11, 12

Prerequisite: Biology

**Human Physiology -- Full year course (1 unit) Course No. 4100**

This course is designed to give the student a basic understanding of the structure and functions of the human body. A review of the cell structure and its function are covered, followed by an exploration of the gross skeletal and muscular systems. The remainder of the course will deal with the nervous, digestive, circulatory, respiratory, endocrine, reproductive, excretory, and integumentary systems.

*Kansas Board of Regents Approved*

Level offered: 11, 12

Prerequisite: Biology

**AP Biology -- Full year course (1 unit) Course No. 4160**

Advanced Placement (AP) Biology is an intensive yearlong course designed to prepare students for the AP Biology Examination administered each May by the College Board. This course will be comparable to a college General Biology course, therefore, college credit and/or advanced placement at nearly 3000 colleges and universities may be awarded for a satisfactory score on the exam. Students will be expected to read college-level material and participate in 12 college



board selected laboratories. In addition to the prerequisite listed below the students enrolling in this class should have an excellent attendance record and proven academic performance. Each student must have a solid foundation in Biology and Chemistry measured by course academic outcomes. This course will cover eight major themes of Biology. Those include: Science as a Process, Evolution, Energy Transfer, Continuity and Change, Relationship of Structure to Function, Regulation, Interdependence in Nature, and Science, Technology, and Society.

*Kansas Board of Regents Approved*

Level offered: 12

Prerequisite: Biology and Chemistry

**Health Occupations/Nurse Aide -- Concurrent Credit -- One semester course (1/2 unit) Course No. 0790**

Students must enroll in a two class period block. Offered first semester only.

Students will be expected to participate in clinical experiences outside of the regular school day. Certification tests are available.

Level offered: 11, 12

Prerequisite: None

**Health Occupations II/Medication Aide -- Concurrent Credit -- One semester course (1/2 unit) Course No. 0780**

Students must enroll in a two class period block. Offered second semester only.

Students will be expected to participate in clinical experiences outside of the regular school day. Certification tests are available.

Level offered: 12

Prerequisite: CNA certificate, student must turn 18 by the completion of the class, or within a reasonable time period approved by Counselor/Administration

**Medical Terminology -- Concurrent Credit -- One semester course (1/2 unit) Course No. 0795**

In Medical Terminology courses, students learn how to identify medical terms by analyzing their components. These courses emphasize defining medical prefixes, root words, suffixes, and abbreviations. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions.

Offered second semester only.

Level offered: 11, 12

Prerequisite: None

## **CAREER & TECHNOLOGY EDUCATION**

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**21<sup>st</sup> Century Skills -- One semester course (1/2 unit) Course No. 6254 - Kansas Course Code 12050**

This class is required of all incoming freshmen at Chanute High School. The general focus of the class is founded in business, marketing, and finance, but there will be many objectives imbedded in the curriculum which will lead to preparing freshmen students for life in the 21<sup>st</sup> Century. Students will be exposed to units on personal finance, job interviewing and applying skills, study and work habits, that will enable them to be successful in high school, college and at work.

Level offered: 9, 10, 11, 12

Prerequisite: None

**Introduction to Business -- One semester course (1/2 unit) Course No. 5253 - Kansas Course Code 12053**

An introductory course that examines the skills needed to be a successful entrepreneur. This course will also explain the role and purpose of business in our economic system. The course emphasizes what everyone should know to perform effectively as a consumer, worker, and citizen in the free enterprise system.

Level offered: 9, 10, 11, 12

Prerequisite: None

**Computer Science Discoveries-- One semester course (1 unit) Course No. 0818 - Kansas Course Code 10002**

Computer Science Discoveries takes a wide lens on computer science by covering topics such as programming, physical computing, HTML/CSS, and data. The course inspires students as they build their own websites, apps, games, and physical computing devices.

Level Offered: 9, 10, 11, 12

Prerequisites: None

**Audio Video Production Fundamentals – One semester course (1/2 unit) Course No. 6144 - Kansas Course Code 30103**

Audio Video Production Fundamentals provides a basic understanding of producing video for a variety of uses. Topics include analyzing the pre-production, production and post-production process, as well as explore the equipment and techniques used to develop a quality video production.

Level offered: 9, 10, 11, 12

Prerequisite: None

**Television Broadcasting -- Full year course (1 unit) Course No. 6145 - Kansas Course Code 30150**

Video Production provides students with: 1) an introduction to the process of planning for a television production; 2) the opportunity to use equipment needed to produce a television program; and 3) the experience of collecting materials to edit and produce a finished program ready to be televised. The content will be presented through lecture and class laboratory activities that allow for students to use their creative thinking skills. The goal is to provide a large spectrum of the television industry in and out of class. Students will have the opportunity to produce live in-house productions, as well as live activities and sporting events out of class.

Kansas Board of Regents Approved

Level offered: 10, 11, 12

Prerequisite: None

NOTE: Because of the aspect of this course, students may count this course as a fine arts credit with permission from the counseling staff and/or administration.

**Mobile App Development – Full year course (1 unit) Course No. 5083 - Kansas Course Code 10203**

This hands-on course focuses on the development of applications (apps) for mobile devices (phones, tablets, iPads, etc.). Students will work in teams, using real-world tools and processes to develop and redesign existing mobile apps in addition to building apps of their own. Students DO NOT need any prior computer programming experience to successfully complete this course.

Level offered: 9, 10, 11, 12

Prerequisite: None

**Video Game Design and Development – Full year course (1 unit) Course No. 5054 - Kansas Course Code 10152**

This course will introduce students to the Video Game Design Industry and the basic components and processes required to produce an interactive video game for market. The students will study the history of video games and analyze successful design aspects. Career opportunities and industry standards will be researched. Students will learn game theory, concept development, character creation, writing, storyboarding, 2D and 3D modeling, scripting and programming.

Level offered: 10, 11, 12

Prerequisite: None

**Drone Academy – One semester course (1 unit) Course No. 5017 – Kansas Course Code 10040**

This course is designed to introduce students to the world of Drones also known as UAV's (Unmanned Aerial Vehicles). This course will cover the rules and regulations set by the Federal Aviation Administration (FAA), which monitors and controls the airspace over North America. Students will gain experience piloting a UAV, like a quadcopter as well as capturing video footage while flying along with how to package the footage for the consumer user. Students will learn how UAV use is widespread across the country, and commercialization of UAVs being used by average citizens is just around the corner, providing a new, booming industry for those trained and experienced in this field.

Level offered: 10, 11, 12

Prerequisite: Video Game Design & Development **or** Mobile App Development

**AP Computer Science Principles – Full year course (1 unit) Course No. 5218 – Kansas Course Code 10152**

The course introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity, and how computing impacts our world. Students will develop the computational thinking skills needed to fully exploit the power of digital technology and help build a strong foundation in core programming and problem-solving.

Level offered: 10, 11, 12

Prerequisite: Algebra I

**Particular Topics in Media Technology – Full year course (1 unit) Course No. 1818 – Kansas Course Code 10204**

In an ongoing quest to provide our students with innovative and challenging courses of study, the **Web & Digital Communications** pathway offers students an opportunity to pursue fields of study that are not currently a part of the current curriculum. We encourage all students to consider taking part in an independent study in order to broaden the scope of their knowledge in this ever-changing field. The purpose of an Independent Study is to allow students to pursue an individualized course of study. Qualifying students will be required to fill out an application form and write a short description of what will be covered during the semester. The application form acts as a contract between the teacher and student to ensure that both parties meet the expectations that are set out during the semester.

Level offered: 11, 12

Prerequisite: Any Web/Digital Communication Course

**Picture Perfect -- Full year course (1 unit) Course No. 0918 - Kansas Course Code 10202**

This course will expose students to the publication industry and give them an opportunity to produce the school yearbook. Students will use creative thinking and problem solving skills, develop professional working relationships and explore the field of journalism as they work to produce The Elms yearbook.

Level offered: 9, 10, 11, 12

Prerequisite: Permission of instructor

NOTE: Students will compose photographs and create designs and graphics, because of this aspect of photography, students may count this course as a fine arts credit with permission from the counseling staff and/or administration.

**Accounting I – Full year course (1 unit) Course No. 5190 – Kansas Course Code 12104**

Accounting courses introduce and expand upon the fundamental accounting principles and procedures used in businesses. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are usually used. Advanced topics may include elementary principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process.

Level offered: 10, 11, 12

Prerequisite: None

**Advanced Accounting – Full year course (1 unit) Course No. 5273 – Kansas Course Code 12108**

Advanced Accounting expands upon the foundational accounting principles and procedures used in business. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger, and journal techniques, and periodic adjustments. Students learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, and other automated tools are usually used. Topics may include elementary principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process and further enhancement of accounting skills.

Level offered: 11, 12

Prerequisite: Accounting I

**Designing for Pay -- Full year course (1 unit) Course No. 1018 - Kansas Course Code 31096**

This course is a project-based class designed to give students workplace experience by completing projects for local businesses and community members. Students will work with the teacher and potential clients from concept development to delivery of final product. During this time students will demonstrate their graphic design skills, time management skills and communication skills. Students will utilize a multitude of software packages and equipment that is used in the workplace in creating identity packages (logos and branding), publications (magazines, newspapers, newsletters, etc.), advertisements and product packaging.

NOTE: This course may be used as a Fine Arts credit with the permission of the counseling staff and/or administration.

Level offered: 11, 12

Prerequisite: Permission by instructor(s) and successful completion of any two business courses

**21<sup>st</sup> Century Journalism -- One semester course (1/2 unit) Course No. 1363** - Kansas Course Code 30100

21<sup>st</sup> Century Journalism promotes the development of the skill set needed today and in the future. Students will explore the role media and the communications industry has in society, develop the technical skills related to journalistic writing and interviewing, as well as understand the ethical and legal issues related to the field.

Level offered: 9, 10, 11, 12

Prerequisite: None

**The Comet -- Full year course (1 unit) Course No. 6283 - Kansas Course Code 30151**

The Comet Online will provide students with the opportunity to apply the fundamental technique learned in Digital Media Technology course as well as the topics covered in 21<sup>st</sup> Century Journalism through the production of a multi-media project for public presentation. Topics include developing a production schedule, working as a team, utilizing composition principles and embedding audio, video or other content in digital formats.

**NOTE:** Students will compose photographs and create designs and graphics, because of this aspect of photography, students may count this course as a fine arts credit with permission from the counseling staff and/or administration.

Level offered: 11, 12

Prerequisite: 21<sup>st</sup> Century Journalism

**Leadership Service in Action -- Full year course (1 unit) Course No. 9017 – Kansas Course Code 22255**

Provide student leaders with frameworks, tools, techniques, situations and concepts that will help them develop as leaders, create opportunities for them to apply these things “on the job” as leaders at the school, and provide coaching, feedback and mentoring to facilitate their growth and development, today and in the future.

Level offered: 9, 10, 11, 12

Prerequisite: None

**Construction I/II -- Concurrent Credit -- One semester course (1/2 unit) Course No. 9811/9822**

**Construction III/IV -- Concurrent Credit -- One semester course (1/2 unit) Course No. 9831/9842**

This course will teach the components of building a single story frame house. Houses will be built on either concrete slab, on site, or with a wood floor on a foundation near campus.

This course deals with the general industrial safety and maintenance and safety of hand tools and power tools used in manufacturing. The course involves the proper use, maintenance, selection, and care of both hand tools and machines used with a variety of material.

This course begins with a thorough explanation of how blueprints are structured and the conventions that are used in making them and reading them. These principles are then applied to detail drawings and assembly drawings of mechanical equipment. Special features of blueprints in applications ranging from sheet metal work through electrical and air conditioning work are addressed.

The course concludes with information on how to sketch in the style of a blueprint to convey information simply and completely.

This course deals with tool and machine safety in the step-by-step methods and procedures used in the construction of cabinets. The class will study many types of cabinet construction and joints, fasteners and adhesives used.

This course involves an orientation of the requirements and other information needed for job entry in the plumbing field.

This course covers electrical installation, operation, and maintenance for residential wiring. It will focus on general knowledge, safety, tools, print reading, equipment, wiring, and the National Electrical Code.

Level offered: 11, 12

Prerequisite: None

**Welding I/II -- Concurrent Credit -- One semester course (1/2 unit) Course No. 9611/9622**

**Welding III/IV -- Concurrent Credit -- One semester course (1/2 unit) Course No. 9631/9641**

**Welding V/VI -- Concurrent Credit -- One semester course (1/2 unit) Course No. 9652/9662**

This course is designed to provide training for students who want to acquire job entry welding skills. Safety procedures care and use of equipment, knowledge of welding symbols, and the study and application of welding theories and procedures are emphasized. Instruction will be provided in the fundamentals of shielded metal arc welding, gas tungsten arc welding, gas metal arc welding and the fundamentals of oxyacetylene cutting.

This course is designed to improve and upgrade welding skills. Individual goals to be obtained by the student in the course will be worked out jointly with the student and the instructor. This course may be repeated for additional credit.

Level offered: 11, 12

Prerequisite: None

## Foreign Language

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**Spanish I -- Full year course (1 unit) Course No. 5320**

This course is designed to give the student an opportunity to explore his ability and interest in the language. This part of the course stresses almost exclusively the listening-speaking aspect of language learning, using textbooks very little. Reading and writing are introduced phonetically. The object of the course is to give the students the skills necessary to begin expressing themselves in the language. Textbooks are used primarily for the purpose of learning to read and write those things that they have already learned to understand and say. Stress is placed on listening-speaking skills with further emphasis on reading and writing. Students should begin to be able to express themselves in both speech and writing and be able to understand more complex phrases. The student should be able to carry on short sustained conversations and to write short compositions.

*Kansas Board of Regents Approved*

Level offered: 9, 10, 11, 12

Prerequisite: None

**Spanish II -- Full year course (1 unit) Course No. 5330**

This course is basically a continuation of Spanish I. Listening-speaking skills are still stressed with a gradual increase in reading and writing skills. The student eventually studies all the basic structural patterns used to communicate in Spanish. Upon successful completion of this course, the student will be ready to pursue the more advanced and more specialized Spanish courses.

*Kansas Board of Regents Approved*

Level offered: 9, 10, 11, 12

Prerequisite: Spanish I

**Spanish III -- Full year course (1 unit) Course No. 5340**

This is an advanced level course designed to develop the student's vocabulary, reading and speaking skills, and to teach students the basic principles of translation. One of the major goals of the course is to help students prepare for advanced level college classes.

*Kansas Board of Regents Approved*

Level offered: 10, 11, 12

Prerequisite: Spanish II

**Spanish IV -- Full year course (1 unit) Course No. 5350**

**Spanish V -- Full year course (1 unit) Course No. 5420**

These courses are designed to reinforce and build on previously acquired knowledge through the study of culture and literature. Selected grammar points and vocabulary will be presented through selected readings, cultural units, and conversation units. Emphasis will be placed on reading, speaking, and composition in Spanish.

*Spanish IV and Spanish V are taught on alternate years, one being taught one year, the other the next. Students in the class who have had three years of Spanish receive credit for Spanish IV. Those with four years of Spanish receive credit*

for Spanish V. The only difference between the two classes is the specific content. They are both the same level of difficulty.

*Kansas Board of Regents Approved*

Level offered: 11, 12

Prerequisite: Spanish III

## **FAMILY & CONSUMER SCIENCES**

### **Culinary Arts I – Full year course (1 unit) Course No. 0218 - Kansas Course Code 34056**

This course integrates the knowledge, skills and practices required for careers in the restaurant industry. Topics include the sources, symptoms and prevention measures for common food illnesses, meal management, correct use of food production equipment and production and facility management principles. Students will also begin to develop culinary skills for a variety of food products.

Level offered: 9, 10, 11, 12

Prerequisite: None

### **Baking and Pastry I -- One semester course (1/2 unit) Course No. 0418 – Kansas Course Code 34057**

This course looks at the baking and pastry industry, and the equipment and procedures required. Topics include baking science, ingredient function and methods used for a quality product based upon industry standards.

Level offered: 9, 10, 11, 12

Prerequisite: Foods or Culinary Arts

### **Consumer & Personal Finance – One semester course (1/2 unit) Course No. 5893 - Kansas Course Code 22210**

This course teaches students how to identify and manage their resources for achieving consumer goals and provides students with an understanding of the concepts and principles involved in managing one's personal finances. The student is taught to manage resources to achieve personal and family goals; to make informed consumer decisions; to create financial stability; and to maintain a healthy living environment. Students will learn how to make wise decisions about food, clothing, transportation, housing, credit, savings, investments, insurance, taxes, budgeting, citizenship, the environment, and more. Management Skills, Process Skills, Career Development Skills, and FCCLA are integrated throughout this course.

Level offered: 9, 10, 11, 12

Prerequisite: None

### **Human Growth & Development – One semester course (1/2 unit) Course No. 5953 - Kansas Course Code 22204**

This course is an introduction to human development including child development and all other life stages. Students are provided with knowledge about physical, mental, emotional, and social growth and development. Interpersonal relationship skills for all stages of life are explored with an emphasis on building interpersonal skills with children. Management Skills, Process Skills, Career Development Skills, and FCCLA are integrated throughout this course.

Level offered: 10, 11, 12

Prerequisite: None

### **Family Studies – One semester course (1/2 unit) Course No. 5970 - Kansas Course Code 22208**

This course emphasizes building and maintaining healthy interpersonal relationships among family members and other members of society. Topics explored include family structures, functions of the family unit, roles and responsibilities of parents, balancing work and childcare needs, and growth and development of children. Management Skills, Process Skills, Career Development Skills, and FCCLA are integrated throughout this course.

Level offered: 10, 11, 12

Prerequisite: None

### **Culinary Essentials -- One semester course (1/2 unit) Course No. 0118 - Kansas Course Code 16052**

This course is intended to encourage the practice and adoption of behavior choices that will improve personal and family wellness by recognizing the interaction of wellness with the individual, family, community, and the workplace as well as

physically, mentally, and socially. The quality of lifestyle impacts physical, emotional, and social health on a daily basis. The choices made today will affect life expectancy, reproductive health, risk factors for disease, etc. Topics include, but are not limited to, nutrition, physical activity, stress management, drug/alcohol abuse and prevention, disease prevention, communication and conflict resolution. Management Skills, Process Skills, Career Development Skills, and FCCLA are integrated throughout this course.

Level offered: 10, 11, 12

Prerequisite: None

**Career & Community Connections -- One year course (1 unit) Course No. 5980 - Kansas Course Code 22250**

Career and Community Connections is an application level course that applies the technical skills in careers related to the needs of providing the needs of humans. This professional learning experience provides the opportunity for learners to focus on 21<sup>st</sup> century skills, and acquire job-seeking and retention skills needed to advance within the workplace. Leadership is a main focus of this course.

Level offered: 11, 12

Prerequisite: Permission of instructor

**Teaching as a Career – One year course (1 unit) Course No. 0718 Kansas Course Code 19151**

This course is to introduce students to the principles of teaching the responsibilities and duties of teachers.

Level offered: 9, 10, 11, 12

Prerequisite: none

## **AGRICULTURE, FOOD, & NATURAL RESOURCES**

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**Introduction to Agriculture – Full year course (1 unit) Course No. C1118 Kansas Course Code 18001**

The Introduction to Agriculture course provides students with the opportunity to explore various aspects of the agricultural industry such as plant science, animal science, agriscience, and agribusiness.

Level offered: 9, 10, 11, 12

Prerequisite: None

**Plant and Animal Science – Full year course (1 unit) Course No. C1218 Kansas Course Code 18301**

This course provides content related to both animal production and plant production, providing comprehensive coverage of the production functions of the agricultural industry. Topics such as care and management of farm animals, crop production and harvesting, plant and animal insect and disease control, efficient resource management and farm management and food processing.

Level offered: 9, 10, 11, 12

Prerequisite: Must be co-enrolled in Introduction to Agriculture for this first year offered of the pathway

## **ART**

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**Introduction to Art -- One semester course (1/2 unit) Course No. 6501**

This course offers general exposure to the Chanute High School art department: Projects will be completed in drawing, painting, and printmaking. This course will give a broad overview of the advanced individual classes available to students upon completion of Introduction to Art. Grading will be based on projects relating to each area. All work will be done in class, so daily attendance, attitude, and work habits are important.

Level offered: 9, 10, 11, 12

Prerequisite: None

**Drawing I -- One semester course (1/2 unit) Course No. 6510**

This is a course to explore the many aspects of drawing. Work will include drawings done in pencil, charcoal, pastel, pen and ink, colored pencil, and collage. Subject matter will range from still life and abstract, to landscape and portraiture. Grading will be determined by the student's attitude and work habits in respect to assignments during the semester.

Level offered: 9, 10, 11, 12

Prerequisite: Intro to Art

**Drawing II -- One semester course - (1/2 unit) Course No. 6520**

This course is a further examination into techniques of drawing for the serious art student. Students enrolling in this course should have maintained a "B" average in previous art courses. Work habits and quality of work done during the semester will determine grading.

Level offered: 10, 11, 12

Prerequisite: Drawing I

**Painting I -- One semester course (1/2 unit) Course No. 6530**

This is a class dealing in the media of watercolors and acrylics, with subject matter ranging from still life and non-objective to landscape and portraiture. Basic work on mixing hues, composition, painting techniques, and styles will be included.

Grading

will be determined by the student's attitude and work habits in respect to paintings, which will be completed in the classroom.

Level offered: 9, 10, 11, 12

Prerequisite: Intro to Art

**Painting II -- One semester course - (1/2 unit) Course No. 6540**

This course is a further examination into techniques of painting for the serious art student. Particular attention will be paid to the student's specific interests in painting and some work on collage. Students enrolling in this course should have maintained a "B" average in previous art courses. Work habits and quality of work done during the semester will determine grading.

Level offered: 10, 11, 12

Prerequisite: Painting I

**Ceramics -- One semester course (1/2 unit) Course No. 6552**

Students will learn basic clay modeling techniques, such as three-dimensional sculpture, slab constructions, coil pots, pinch pots, and also learn to throw on the potter's wheel. Pieces will be bisque and glaze fired, then graded for design qualities, construction, glaze application, student's work habits, and attitude.

Level offered: 9, 10, 11, 12

Prerequisite: Intro to Art

**Advanced Art -- One semester course (1/2 unit) Course No. 6590**

This course is designed for the serious art student. Students applying for this course must have maintained a "B" average in all other art courses taken. Students will have the opportunity to explore areas of art interest. Problem solving and critical thinking strategies will be implemented in course projects. Grading will be determined by the student's attitude, work ethic, and projects completed in respect to this course.

Level offered: 11, 12

Prerequisite: Permission of instructor

## MUSIC

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**Marching/Concert Band -- Full year course (1 unit) Course No. 6600**

This course consists of marching band during the football season and changes to concert band for the remainder of the year. The band will participate in marching and concert festivals as well as parades, half-time shows, and concerts. Students may enter band at the beginning of second semester for 1/2 unit credit but may not drop band at the end of first semester without special permission from the instructor and principal.



Level offered: 9, 10, 11, 12

Prerequisite: None

**Select Ensemble -- Full year course (1 unit) Course No. 6670**

This is a select choral ensemble that requires an audition, before enrollment is approved. Members need to possess sound music fundamentals in sight-reading and ear training, primary consideration for selection will be voice quality, while secondary consideration will be choreographic skills. Literature performed will have a wide range that will include classical, popular, and Broadway selections. Group members will represent the school and community on several occasions throughout the year, and must be willing to devote time outside of regular in school rehearsal to prepare. Students will be required to furnish their own performance outfits at an annual cost of approximately \$80. Students enrolled in this class should not be enrolled in General Choir.

Level offered: 10,11,12

Prerequisite: Audition / Permission of instructor, concurrent enrollment in Select Choir. If scheduling problems exist, the student shall enroll in Select Choir and learn ensemble music on their own.

**Comet Chorale -- Full year course (1 unit) Course No. 6683**

This is a select choral ensemble that requires an audition, before enrollment is approved. There is an enrollment cap of 16 students for this ensemble. Members need to possess sound music fundamentals in sight-reading and ear training, primary consideration for selection will be voice quality. Literature performed will have a wide range that will include classical, popular, and Broadway selections. Group members will represent the school and community on several occasions throughout the year, and must be willing to devote time outside of regular in school rehearsal to prepare. Students will be required to furnish their own performance outfits at an annual cost of approximately \$80.

Level offered: 10, 11, 12

Prerequisite: Audition / Permission of instructor

**Women's Ensemble -- Full year course (1 unit) Course No. 6720**

This is a ladies' ensemble composed of students in grades 9 and 10. Fundamentals of ear training and sight-reading skills will be reviewed. Literature performed will range from classical, sacred, secular to popular, and Broadway selections. (During the first two-week period of each semester, students in this choir may be advanced to the Select Choir depending on abilities and needs of individuals and choirs.) The main thrust in performances will be a Christmas and Spring concert and KSHSAA Festival. Students enrolled in this class should not be enrolled in General Choir.

Level offered: 9, 10

Prerequisite: None

**General Music -- Full year course (1 unit) Course No. 6743**

This is a mixed ensemble composed of students in grades 9 – 12. Fundamental of ear training and sight skills will be taught. This class is offered as an interest-level course and will not perform outside of class. Students will also learn the basics of digital music production, music history, how to research music topics and fundamental music reading skills.

Level offered: 9, 10, 11, 12

Prerequisite: None

**Concert Choir -- Full year course (1 unit) Course No. 6651**

This is a mixed ensemble comprised of students in grade 9. Fundamentals of ear training and sight-reading skills will be taught. The main trust in performances will be a Christmas and Spring concert and KSHSAA Festival.

Level offered: 9, 10, 11, 12

Prerequisite: None

# PHYSICAL EDUCATION

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## **Physical Dimensions -- Full year course (1 unit) (Coed) Course No. 6760**

All 9th grade students are required to take this year-long course. This course is designed to provide young adults with the knowledge and skills to enjoy a physically healthy lifestyle. The three areas of focus are: health-related fitness, lifetime physical activity, and health/wellness concepts and skills. To educate students to be well rounded physically, mentally, and socially, we provide a variety of team and individual activities with an emphasis on lifetime and fitness activities. Activities will depend upon facilities available and weather conditions. Appropriate attire is required. One-fourth of this course will be held in a classroom setting.

Level offered: 9

Prerequisite: None

## **Coed General Physical Education -- One semester course (1/2 unit) Course No. 6770**

Students enrolling in this class should expect to be exposed to basic rules and beginning skill techniques of the various activities taught. The following is a partial listing of activities that may be included in this course: aerobic conditioning, archery, badminton, basketball, bowling, dance, floor tennis, football, frisbee, golf, inline skating, jogging, jump rope, orienteering, pickleball, personal fitness/wellness, racquetball, self defense, soccer, softball, team handball, tennis, various team games, volleyball, water activities, and weightlifting. Team play, sportsmanship, knowledge of rules, knowledge of skill techniques, and safety will be stressed. Appropriate attire is required.

Level offered: 10, 11, 12

Prerequisite: Physical Dimensions

## **Strength and Conditioning -- One semester course (1/2 unit) Course No. 6823**

This course stresses the safety rules and terminology of weightlifting, as well as plyometrics. Workouts in power, Olympic, and plyometric conditioning will be taught. Aerobic exercises in the form of games will be used on non-lifting days. Daily participation and improvement in the lifts will be criteria for grading. Appropriate attire is required.

Level offered: 10, 11, 12

Prerequisite: Physical Dimensions

## **Walking -- One semester course (1/2 unit) Course No. 6840**

Students enrolling in this class should expect to participate in the oldest form of exercise, walking, and to gain a fitness walking knowledge base. An individualized walking program will be created by students and the instructor, which will incorporate decision-making, goal-setting, critical health skills, and the use of technology. Activities will vary with weather conditions and facilities available. Daily participation and improvement in fitness goals will be used as criteria for grading. Appropriate attire is required.

Level offered: 10, 11, 12

Prerequisite: Physical Dimensions

# MISCELLANEOUS

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## **History through Literature and Film – One semester course (1/4 Unit) Course No. 3363**

Students will be asked to watch and critique (written and oral critiques) a series of instructor chosen films. Evaluation will be based on required written and oral responses to the films. This course may be taken more than once for credit.

**NOTE:** This course is intended for enrollment with Concurrent Credit courses for alternate class days.

Level offered: 11, 12

Prerequisite: None

**Teacher Aide -- One semester course (1/4 unit) Course No. 9990**

Students may earn one-fourth unit of credit for each semester of service to a staff member. This includes service to a teacher, the librarian, the main office, or the guidance office. No credit will be awarded for length of service less than one semester. The grade earned will be Pass or Fail. The principal reserves the right to review, limit and or deny the privilege of being a student aide.

Level offered: 12

Prerequisite: Enrollment subject to Teacher/ Counselor/Administration review.

**Drivers Education -- One semester course (1/4 unit) Course No. 950**

This Pass/Fail class is divided into classroom and driving phases. Students will spend 30 hours in the classroom and four hours behind the wheel. Passing the course requires 80% test scores on all classroom and driving tests. Students are asked to take the written test to receive their Kansas Instructional Permit prior to the beginning of the class. Upon successful completion of the class the students will be given a Completion Certificate which can be exchanged for a Restricted or Regular License. The fee for the class is \$110.00.

Level offered: Minimum age of 14 when the application is submitted.

Prerequisite: None

**Credit Recovery – One semester (1/2 unit) Course No. 9073**

Students do not receive credit for students attending class, but for classes that are completed.

Level offered: 12

Prerequisite: Enrollment subject to Teacher/ Counselor/Administration review.

**Senior Project – One semester course (1/4 unit) Course No. 8512**

Students in good standing may apply to participate in Senior Project. The grade given for this course will be Pass or Fail, and the credit earned will be ¼ unit per semester. This class could be taken any period (1-7) throughout the school day. During the semester prior to enrollment, the student must have a 95% attendance record and may not have any D's or F's.

Level offered: 12

Prerequisite: Application, enrollment subject to Counselor/Administration review.

**Success – One semester course (1/2 unit) Course No. 9033**

This course is an intervention course for students who have been targeted as at-risk. Students may be enrolled in this course by assignment only. Students cannot opt into this course. Instruction in this course will include working with students to develop and enhance skills and strategies that will help them be more successful in the school setting, as well as life in general. Some areas of focus will include time management skills, learning how to self-assess needs, create plans, and execute goals. The instructor will help students apply such strategies to other classroom assignments and activities.

Level offered: 9, 10, 11, 12

Prerequisite: Enrollment subject to Teacher/ Counselor/Administration recommendation.

## **SPECIAL EDUCATION**

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The following levels/courses are offered in special education via ANW Coop. Placement in these classes is made through lawful screening and staffing procedures and mandated by ANW Coop policy.

\*Signifies these courses can only be taken as a part of a Special Education Program.

**\*VOC Building Trades I – Full year course (1 unit) Course No. 8361 / 8362**

**\*VOC Building Trades II – Full year course (1 unit) Course No. 8421 / 8422**

Instruction includes classroom as well as job-site activities and experiences. Students work with measurements, mathematical calculations, and listings of materials from blueprints as they work with building materials and equipment. Students develop an understanding of career options available to carpenters including rough-in work, finish work, roofing, general contracting, and many specialty areas. Carpenters may be self-employed or work for contractors, homebuilders, manufacturing firms, or utility companies in new construction or repair work. Students learn to work with sub-contractors and construction inspectors. Students study building plans, building permits, insurance coverage, and building codes. Students are required to provide specific tools and safety equipment.

Level offered: 9, 10, 11, 12

Prerequisite: None

### **ELECTIVE COURSES**

**8281 - \*General Studies**

**8341 - \*Work Placement**

**8351 / 8352 - \*Work Experience**

**8362 - \*Vocational Building Trades**

**8391 / 8392 - \*Adapted Physical Education**

**8401 / 8402 - \*Vocational Studies**

## **NCCC Placement Scoring Chart**

*Current as of 5/2018*

For **English Composition I** students must have placement scores equal to or higher than the following **or** have met the minimum GPA standard:

ACT:	18 on Writing 17 on Reading
Accuplacer:	69 on Writing 69 on Reading
<b>OR</b>	
Have a GPA of at least 3.25.	

For **Math Courses** (College Algebra and higher) students must have placement scores equal to or higher than the following **or** have met the minimum GPA standard:

ACT:	22 on Math
Accuplacer:	81 on Math
<b>OR</b>	
Have a GPA of at least 3.25. For Calculus, a GPA of at least 3.75 or a C+ in Algebra II.	