

2024-25 EJSHS COURSE REGISTRATION GUIDE

EHS REQUIREMENTS--TOTAL OF 26 CREDITS

4 credits of English	1 credit of Practical Arts
3 credits of Math	1 credit of Fine Arts
3 credits of Science	.5 credit of Communication
3 credits of Social Science	.5 credit of Health
.5 credit of Financial Literacy	1 credit of Physical Education
.5 credit of Computer Tech	8 credits of electives

BOARD OF REGENTS REQUIREMENTS (4 year state university)

4 credits of English
3 credits of Science--must include a full unit of Chemistry or Physics
3 credits of Math including Algebra I, Geometry, Algebra II **AND** an ACT score of 22 in Math **OR** 4 approved credits (those listed above & either Algebra III or Precalculus)
3 credits of Social Studies
Communications
3 additional approved credits
2.0 GPA on the above curriculum & any college courses taken in high school
ACT of 21 or higher

REGENT'S STATE SCHOLAR CURRICULUM

4 credits of English
4 credits of Math (1 credit must be beyond Algebra II)
3 credits of Social Studies
3 credits of Science must include Biology, Chemistry and Physics
2 credits of Foreign Language

NCAA Core Courses (GPA on all below must be 2.3 or above)

4 credits of English
3 credits of Math (Algebra 1 and higher)
2 credits of Science
1 credit of additional English, Math, Science
2 credits of Social Science
4 additional courses from any area above or foreign language

CLASS STANDINGS:

A student's class standing will be determined by the number of credits he/she has earned rather than the number semesters of attendance.

Freshman:	0 to 6.5	units of credit	Junior:	13.25 to 19.5	units of credit
Sophomore:	6.75 to 13	units of credit	Senior:	above 19.75	units of credit

CLASS RANK:

All students are ranked with peers of their current grade level at the close of each semester. Class ranks are calculated and locked in January and June. Late grade changes made after the ranks are locked in will affect the student's GPA, but they **WILL NOT** change the student's rank until class ranks are re-run at the end of the next semester. If honor roll has already been established by the time of the grade change, the student will not be added to the honor roll for that semester.

COURSE CATALOG KEY:

PR=Prerequisite, a class needed prior to the course listed.

\$A=Fee charged, \$10 or less \$B=Fee charged, \$11-\$20 \$C=Fee charged, \$21-\$30 \$D=Fee charged, \$40-\$50

CN1=Course number for 1st semester

CN2=Course number for 2nd semester

CNY=Year-long course-list both numbers

###=May be take again for elective credit.

**=Additional information to consider

COURSE CREDIT AND WITHDRAWING FROM A COURSE

PARTIAL CREDIT FOR A FULL CREDIT COURSE

If a student fails the first semester of a full credit course but receives a passing grade the second semester, he/she may receive either a full credit or a half credit for the course based upon his/her progress, ability, plans made with the teacher, and nature of the course. However, if a student passes the first semester but fails the second semester, the student will only receive a half credit for the first semester's work. Students failing a second semester math course will repeat the entire course and the first semester credit will become an elective credit. Students who choose to withdrawal from a full credit course are subject to the first semester credit becoming an elective credit.

WITHDRAWAL FROM A COURSE

The student must complete both nine weeks of a semester course with a passing grade to receive any credit for that course. Grades at nine weeks reflect a grade in progress and can be raised to earn credit for the entire semester. Class changes are discouraged but can be made within the first two days of a semester. All changes must be planned through the counselor. Any changes after the third day of the semester must be approved by the administration.

TECHNICAL COURSES AND OTHER COLLEGE CLASSES

During one's junior or senior year, a student may find career and technical education classes that relate to their career area of interest. Those students can enroll in specified courses where tuition and fees are greatly reduced and sometimes free for the individual student. Courses can be taken during a class entitled, "Virtual Course" during their school day. Students will not receive high school credit unless arrangements have been made with the counselor and approved by the administration. Classes NOT taken for high school credit do not count towards a student's GPA and eligibility rules do not apply.

FLEX SCHEDULING-SECOND SEMESTER SENIOR YEAR

Flex scheduling is an option that would allow a second semester senior to arrange a schedule with less than the eight classes required for other students. KSHSAA regulations apply for students who wish to participate in activities. (KSHSAA requires that students must participate in five classes for eligibility purposes. Study hall/Study Skills do not meet the requirements for an eligible class.) The EHS Guidelines for Flex Scheduling will be reviewed with and signed by the student and their parent(s) prior to activating this option.

SALINA TECHNICAL COLLEGE OPTIONS

The USD 327 Board of Education has approved transportation to Salina's Vocational School. A limited number of juniors and/or seniors who meet specific requirements may be able to attend. Those requirements include a good attendance record, the timely completion of credits toward graduation and selection by interview, if the number of interested students exceeds the limit. Costs for the program fee and books will be covered by Senate Bill 155, Salina Technical College and/or the individual student. Tools and uniforms will be the responsibility of the student. Transportation MAY be provided by the school. If school transportation is not available, the students will be responsible for their own and the cost thereof.

Students MUST complete their planning with both EJSHS and SATC before being allowed to attend.

Length: 1-2 years

Grade level 11-12; Elective

PR: On track for graduation, admittance into program



Programs Eligible for Dual Enrollment

Junior Start

Automotive Collision and Refinishing Technology*	AM or PM Courses
Automotive Technology	1 st Year—AM; 2 nd Year—PM
Business administrative Technology*	1 st Year—AM; 2 nd Year—PM
Certified Nursing Aide (CNA) *	AM or PM Courses
Computer Aided Drafting	1 st Year—AM; 2 nd Year—PM
Construction Technology	1 st Year—AM; 2 nd Year—PM
Dental Assistant	AM and PM Courses/Online
Diesel Technology	1 st Year—AM; 2 nd Year—PM
Early Childhood Education	1 st Year—AM; 2 nd Year—PM
Heating, Ventilation & A/C—HVAC	1 st Year—AM; 2 nd Year—PM
Machine Tool Technology	1 st Year—AM; 2 nd Year—PM
Medical Terminology*	AM or PM Courses
Police Science*	AM or PM Courses/Online
Fire Science	AM or PM Courses
Welding Technology	1 st Year—AM; 2 nd Year—PM

* Fall and Spring start, all other programs are Fall start only.

Admissions Requirements:

- Counselor Approval
- Online Application
- High School Transcripts
- Placement Testing
- SATC Excellence Agreement

Salina Area Technical College does not discriminate on the basis of race, religion, color, sex (including pregnancy and gender identity), sexual orientation, parental status, national origin, age, disability, family medical history or genetic information, military service, or any other non-merit-based factor in admission or access to, or treatment or employment in, its programs and activities.

For additional information or inquiries concerning Title VI, Title VII of the Civil Rights Act of 1964, Title IX Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, Title II, GINA, and the Americans with Disability Act of 1990, please contact: Jennifer Callis, Vice President of Student Services, 2562 Centennial Road, Salina, KS 67401 or 785-309-3100, jennifer.callis@salinatech.edu



Programs Eligible for Dual Enrollment

Senior Start

Automotive Collision and Refinishing Technology*	AM or PM Courses
Business administrative Technology*	1 st Year—AM; 2 nd Year—PM
Certified Medication Aide (CMA) Pre-requisite—CNA	AM or PM Courses (Must be 18 to take State Test)
Certified Nursing Aide (CNA)*	AM or PM Courses
Computer Aided Drafting	1 st Year—AM; 2 nd Year—PM
Construction Technology	1 st Year—AM; 2 nd Year—PM
Dental Assistant	AM and PM Courses/Online
Early Childhood Education	1 st Year—AM; 2 nd Year—PM
Heating, Ventilation & A/C—HVAC	1 st Year—AM; 2 nd Year—PM
Machine Tool Technology	1 st Year—AM; 2 nd Year—PM
Medical Terminology*	AM or PM Courses
Police Science*	AM or PM Courses/Online
Fire Science	AM or PM Courses
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KANSAS BOARD OF REGENTS

Kansas Scholars Curriculum & State Scholar Quick Facts

Completion of the Kansas Scholars Curriculum is one of the requirements Kansas residents must meet in order to receive State Scholar designation. This occurs during the senior year of high school.

What are the other requirements to become a State Scholar?

- Students must have taken the ACT between April of the sophomore year and December of the senior year.
- Students must be a Kansas resident.
- Students must have their curriculum and 7th semester GPA certified on the official roster by the high school counselor, registrar, or similar official.

KANSAS SCHOLARS CURRICULUM

English - 4 years

One unit to be taken each year. Must include substantial recurrent practice in writing extensive and structured papers, extensive reading of significant literature, and significant experience in speaking and listening.

Mathematics - 4 years

Algebra I, Algebra II, Geometry, and one unit of advanced mathematics-- suggested courses include: Analytic Geometry, Trigonometry, Advanced Algebra, Probability and Statistics, Functions or Calculus. Completion of Algebra I in 8th grade is acceptable for the Kansas Scholars Curriculum.

Science - 3 years

One year each in Biology, Chemistry, and Physics, each of which include an average of one laboratory period a week. Applied/technical courses may not substitute for a unit of natural science credit.

Social Studies - 3 years

One unit of U.S. History; minimum of one-half unit of U.S. Government and minimum of one-half unit selected from: World History, World Geography or International Relations; and one unit selected from: Psychology, Economics, U.S. Government, U.S. History, Current Social Issues, Sociology, Anthropology, and Race and Ethnic Group Relations. Half unit courses may be combined to make this a whole unit.

Foreign Language - 2 years

Two years of one language. Latin and Sign Language are accepted.

Please note, this curriculum is NOT the same as the Qualified Admissions Curriculum.

What is the benefit of completing the Kansas Scholars Curriculum?

Students that complete this curriculum and meet the other requirements, may be designated as State Scholars, which makes one eligible to receive the Kansas State Scholarship as provided by the Kansas Legislature. The academic profile of recent scholars include an average ACT of 30 and an average GPA of 3.91. State Scholars may receive up to \$1,000 annually for up to four undergraduate years (five, if enrolled in a designated five-year program), based on financial need and the availability of State funds. Financial need is measured by federal methodology using data submitted on the FAFSA.

For more information, contact us at 785.430.4300 or at kansasregents.org/students/student_financial_aid.



Qualified Admissions

High School Graduates Academic Year 2022-2023 and After

The six state universities in Kansas--Emporia State University, Fort Hays State University, Kansas State University, Pittsburg State University, The University of Kansas, and Wichita State University--use the standards below, set by the Kansas Board of Regents, to review applicants for undergraduate admission.

ACCREDITED HIGH SCHOOL

Freshman applicants, under the age of 21, who graduate from an accredited high school, will be guaranteed admission to six state universities by meeting the Qualified Admissions requirements designated by each university, as follows:

ESU, PSU, FHSU, & WSU:

- Cumulative High School GPA 2.25+ or ACT 21+ (SAT 1060)*

K-State:

- Cumulative High School GPA 3.25+ or ACT 21+ (SAT 1060)*

KU:






- Cumulative High School GPA 3.25+
OR Cumulative GPA 2.0+ and ACT 21+ (SAT 1060)*

ALL Institutions Require:

- Cumulative GPA 2.0+ for College Credits earned in High School

KANSAS SCHOLARS CURRICULUM IS RECOMMENDED BUT NOT REQUIRED: To best prepare for the rigor of college-level courses, the Kansas Scholars curriculum is recommended.

One unit is equivalent to one year, or two semesters:

				
English 4 units	Math 4 units 1 unit of each: Algebra I, Geometry, Algebra II 1 unit: Advanced Math See KS Scholars page For Math course list	Social Science 3 units 1 unit U.S. History 5 unit U.S. Gov. 5 unit World History 1 unit: Social Science course See KS Scholars Page for Social Science course list	Science 3 units 1 unit of each: Biology, Chemistry, & Physics	Foreign Language 2 units of the same language

KANSAS SCHOLARS Program: More information about the Kansas Scholars Scholarship & Curriculum can be found [here](#) (pdf).

HOMESCHOOL & UNACCREDITED HIGH SCHOOL

Freshman applicants, under the age of 21, who are homeschooled or graduate from an unaccredited high school will be guaranteed admission to the six state universities by achieving an ACT score equivalent to those outlined above, per each university. If you enroll in college courses while in high school, it is also required that you achieve a 2.0 GPA or higher in those courses.

**If you do not meet the qualified admission requirements, you are still encouraged to apply. Your application will be reviewed individually. Contact the university admissions office for more information.*

This document provides a summary overview of admission requirements at state universities and is not a substitute for or to be used in lieu of the actual detailed admissions requirements, which can be found at: www.kansasregents.org/qualified_admissions_rules_regulations.

December 2022

English –

ENGLISH/LANGUAGE ARTS I – (9th grade) These courses build upon students’ prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.

Length: 1 year

Grade level: 9; English Required

CNY=010011, 010012

ENGLISH/LANGUAGE ARTS II – (10th grade) These courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author’s intent and theme and to recognize the techniques used by the author to deliver his or her message.

Length: 1 year

Grade level: 10; English Required

CNY=010021, 010022

PR: English I

ENGLISH/LANGUAGE ARTS III- (11th grade) These courses continue to develop students’ writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.

Length: 1 year

Grade level: 11; English Required

CNY=010031, 010032

PR: English II

ENGLISH/LANGUAGE ARTS IV- (12th grade) courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

Length: 1 semester

Grade level: 12; English Required

CNY=011021, 011022

PR: English III

COLLEGE - ENGLISH COMPOSITION I (ENG 101)-

Qualifying students can use this as concurrent credit for English IV. This course is an introduction to expository writing emphasizing expression of ideas, structure, organization, development, and grammatical correctness. It focuses on practice in researching, revising, and editing. This course provides instruction and practice in the principles of written composition and critical thinking and research. Emphasis is on improving the student’s ability to write clearly and effectively, to read critically to gather materials and synthesize them into one’s own work. The successful student will be able to write a clear, well-organized paper using documentation when appropriate.

PR: Must have earned 3 full English credits prior to enrolling in course

1st semester – CN1= 011031

PR: Qualifying test scores (ACT/Accuplacer)

Cost - \$285 payable to SATC

COLLEGE - ENGLISH COMPOSITION II (ENG 102)- Qualifying students can use this as concurrent credit for English IV. This course builds on the critical thinking, reading, and writing practice begun in Comp I. This class includes critical analysis, interpretation, and evaluation of literary works, along with writing of argumentative essays about literary works.

PR: Must have a C or better in College Comp I.

2nd semester- CN2=011032

Cost - \$285 payable to SATC

Math –

The following course sequence is suggested for students to complete their math requirements at EHS. Altering the sequence of one's math courses will be made with the approval of the counselor and the math department instructors.

Eighth grade state assessments and FastBridge testing will determine where a student begins his/her progression in math: Algebra A and B or Algebra I, Geometry or Applied Geometry, Algebra II, Technical Math, Algebra III* or Pre-Calculus**, Calculus.

***College-bound students should attempt to take one math class per year of high school. Those students who wish to "double-up" and take two math courses in a year should do so **only** if they wish to take Calculus and did not take Algebra I in eighth grade. With instructor permission, this student could "double-up" the year following Algebra I by taking Geometry and Algebra II together.

ALGEBRA I – Part 1- The first part in a multi-part sequence of Algebra I. This course generally covers the same topics as the first semester of Algebra I, including the study of properties of rational numbers (i.e., number theory), ratio, proportion, and estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first degree equations and inequalities.

Length: 1 year

Grade level: 9, 10; Math

CNY=020531, 020532

PR: Test scores; teacher recommendation

ALGEBRA I – Part 2- The second part in a multi-part sequence of Algebra I. This course generally covers the same topics as the second semester of Algebra I, including the study of properties of the real number system and operations, evaluating rational algebraic expressions, solving and graphing first degree equations and inequalities, translating word problems into equations, operations with and factoring of polynomials, and solving simple quadratics.

Length: 1 year

Grade level: 10, 11; Math

CNY=020541, 020542

PR: Algebra I – Part 1

INFORMAL GEOMETRY- These courses emphasize a practical approach to the study of geometry and deemphasize an abstract, formal approach. Topics typically include properties of and work with plane and solid figures; inductive methods of reasoning and use of logic; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

Length: 1 year

Grade level: 9, 10, 11, 12; Math

CNY=020711, 020712

PR: Algebra A & Algebra B (teacher recommendation)

ALGEBRA I- These courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.

Length: 1 year

Grade level: 9, 10, 11, 12; Math*

CNY=020521, 020522

PR: Score in upper quartile on diagnostic testing and teacher recommendation.

**Any student who takes Algebra I as an 8th grader and earns a grade of D or lower, will repeat Algebra I as a freshman.

GEOMETRY- These courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

Length: 1 year

Grade level: 9, 10, 11, 12; Math

CNY=020721, 020722

PR: Algebra I

TECHNICAL MATH-- Technical Mathematics courses extend students' proficiency in mathematics, and often apply these skills to technical and/or industrial situations and problems. Technical Mathematics topics may include but are not limited to rational numbers; systems of measurements; tolerances; numerical languages; geometry; algebra; statistics; and using tables, graphs, charts, and other data displays. Technology is integrated as appropriate.

Length: 1 year

Grade level: 11, 12; Math

CNY=021531, 021532

PR: Geometry and teacher recommendation

ALGEBRA II – These course topics typically include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents.

Length: 1 year

Grade level: 10, 11, 12; Math

CNY=020561, 020562

PR: Algebra I; Geometry recommended. Sophomores, who have teacher approval, can double up in Geometry and Algebra II. Geometry is required for juniors who have not passed the Kansas Math Assessment. Geometry will not be required for seniors who wish to move to Algebra II.

ALGEBRA III- These courses review and extend algebraic concepts for students who have already taken Algebra II. Course topics include (but are not limited to) operations with rational and irrational expressions, factoring of rational expressions, linear equations and inequalities, quadratic equations, solving systems of linear and quadratic equations, properties of higher-degree equations, and operations with rational and irrational exponents. The courses may introduce topics in discrete mathematics, elementary probability and statistics; matrices and determinants; and sequences and series.

*This course is recommended for college-bound students who will need a single math class in college but do not feel they are ready for Pre-Calculus.

Length: 1 semester

Grade level: 12; Math

CNY=020571

PR: Algebra II

11th graders may enroll only if recommended by the teacher.

PROBABILITY & STATISTICS- These courses focus on descriptive statistics, with an introduction to inferential statistics. Topics typically include event probability, normal probability distribution, collection and description of data, frequency tables and graphs, measures of central tendency and variability, random variables, and random sampling. Course topics may also include covariance and correlation, central limit theorem, confidence intervals, and hypothesis testing.

Length: 1 year

Grade level: 11, 12; Math

CNY=022021, 022022

PR: Algebra II

PRECALCULUS- These courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Mathematic Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

Length: 1 year

Grade level: 11, 12; Math

CNY=021101, 021102

PR: Geometry AND Algebra II

CALCULUS- Calculus courses include the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and mathematic analysis). Students who successfully complete this course should be adequately prepared for college Calculus and may even complete the Advanced Placement tests to earn college credit.

Length: 1 year

Grade level: 12; Math

CNY=021211, 021212

PR: Pre-Calculus

COLLEGE ALGEBRA (MAT 150) – Students will learn how to interpret mathematical symbols and notations, simplify expressions, factor polynomials, solve equations (including absolute value, quadratic and systems of linear equations), perform operations on radical expressions, write equations of lines and evaluate functions.

Length: 2nd semester

Grade level: 12; Math

CN2-950007

PR: Qualifying test scores (ACT/Accuplacer)

Cost - \$285 payable to SATC

SCIENCE –

- A \$5 fee is assessed every year that a student enrolls in one or more science classes.
- Three science courses are required for graduation, although the most successful students on ACT testing have often had four or more classes of science.
- Curriculum Completers for Kansas Board of Regents must take Physics or Chemistry

PHYSICAL SCIENCE- Physical Science courses involve study of the structures and states of matter. Typically, (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

Length: 1 year

Grade level: 9, 10; Science

CNY=031591, 031592

PR: None

BIOLOGY I- Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

Length: 1 year

Grade level: 10, 11, 12; Science

CNY=030511, 030512

PR: Algebra I or concurrent enrollment; Physical Science

ANATOMY & PHYSIOLOGY I (ADVANCED BIOLOGY) Usually taken after a comprehensive initial study of biology, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals.

Length: 1 year

Grade level: 10, 11, 12; Science

CNY=030531, 030532

PR: Biology I with a grade of C or better

CHEMISTRY I- Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.

Length: 1 year

Grade level: 10, 11, 12; Science

CNY=031011, 031012

PR: Algebra II or concurrent enrollment

CHEMISTRY II- Usually taken after a comprehensive initial study of chemistry, Chemistry—Advanced Studies courses cover chemical properties and interactions in more detail. Advanced chemistry topics include organic chemistry, thermodynamics, electrochemistry, macromolecules, kinetic theory, and nuclear chemistry.

Length: 1 year

Grade level: 11, 12; Science*

CNY=031021, 031022

PR: Chemistry I

*Not for Regent's Curriculum

EARTH AND SPACE SCIENCE- Earth and Space Science courses introduce students to the study of the earth from a local and global perspective. In these courses, students typically learn about time zones, latitude and longitude, atmosphere, weather, climate, matter, and energy transfer. Advanced topics often include the study of the use of remote sensing, computer visualization, and computer modeling to enable earth scientists to understand earth as a complex and changing planet. This course is designed for students who choose to go directly into the work force or those planning to attend a vo-tech/trade school.

Length: 1 year

Grade level: 11, 12; Science*

CNY=030081, 030082

PR: Physical Science, Biology

*Not for Regent's Curriculum

ANIMAL PRODUCTION/SCIENCE- Animal Production/Science courses impart information about the care and management of domestic and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, and marketing. Students may study a particular species (swine, cattle, horses, fowl, sheep, and so on), or they may learn how to care for and maintain livestock as a more inclusive study.

Length: 1 year

Grade level: 10, 11, 12; Science

CNY=181011, 181012

**Not for Regent's Science Curriculum

PR: Biology or concurrent enrollment, Intro to Agriculture or instructor's permission

HORTICULTURAL SCIENCE- General Horticulture courses expose students to the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. In doing so, they cover a wide variety of topics, including greenhouse and nursery operations, soils and media mixtures, fruit and vegetable production, turf/golf course management, interior and exterior landscaping, irrigation systems, weed and pest control, and floral design.

Length: 1 year

Grade level: 11, 12; Science*

CNY=180521, 180522

**Not for Regent's Science Curriculum.

PR: Biology, Intro to Agriculture or instructor's permission

VETERINARY SCIENCE – Veterinary Science courses impart information about the causes, diagnosis, and treatment of diseases and injuries of animals, typically emphasizing domestic and farm animals. Course topics focus on anatomy and physiology, nutrition, behavior, and reproduction, but may also include other areas of study as appropriate.

Length: 1 year

Grade level: 11, 12; Science

CNY= 181051, 181052

PR: Animal Science

*****Offered every other school year when the starting date of the school year ends in an ODD number.**

NATURAL RESOURCES MANGEMENT- Natural Resources Management courses combine the fields of ecology and conservation with planning for the efficient use and preservation of land, water, wildlife, and forests. Within the general area of natural resources management, these courses usually cover specific topics and uses, such as hunting or fishing preserves, forest production and management, wildlife preservation, and human outdoor recreation.

Length: 1year

Grade level: 10-12; Science*

CNY=185041, 185042

PR: Intro to Ag or Biology

*Not for Regent's Curriculum

*****Offered every other school year when the starting date of the school year ends in an ODD number.**

ENVIRONMENTAL RESOURCES AND WILDLIFE – Courses combine the fields of ecology & conservation with planning for the efficient use and preservation of land, water, wildlife, and forests. Within the general area of natural resources management, these courses usually cover specific topics & uses, such as hunting or fishing preserves, forest production and management, wildlife ID, production and/or ecosystems management and preservation, and human outdoor recreation.

Length: 1year

Grade level: 11-12; Science*

CNY=375061, 375062

PR: Intro to Ag or Biology

*Not for Regent's Curriculum

*****Offered every other school year when the starting date of the school year ends in an EVEN number.**

PHYSICS- Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena. This is a college prep class.

Length: 1 year

Grade level: 11, 12; Science

CNY=031511, 031512

PR: Algebra I, Geometry and Algebra II or concurrent enrollment.

SOCIAL SCIENCE –

AMERICAN GOVERNMENT- U.S. Government—Comprehensive courses provide an overview of the structure and functions of the U.S. government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics.

Length: 1 semester Grade level: 12; Required CN=041510

PR: None

ECONOMICS- Economics courses provide students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. These courses may also cover topics such as principles of macroeconomics, international economics, and comparative economics. Economic principles may be presented in formal theoretical contexts, applied contexts, or both.

Length: 1 semester Grade level: 11, 12; Required CN=042010

PR: None

AMERICAN HISTORY- U.S. History—Comprehensive courses provide students with an overview of the history of the United States, examining time periods from International Expansion to the 2020 or after. These courses typically include a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement.

Length: 1 year Grade level: 11; Required CNY=041011, 041012

PR: None

CONTEMPORARY WORLD ISSUES- Contemporary World Issues courses enable students to study political, economic, and social issues facing the world. These courses may focus on current issues, examine selected issues throughout the 20th century, and look at historical causes or possible solutions.

Length: 1 semester Grade level: 9-12; Social Science CN=040640

PR: None

SOCIOLOGY- Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

Length: 1 semester Grade level: 10-12; Social Science CN=042580

PR: None

WORLD GEOGRAPHY- World Geography courses provide students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas. The first semester of World Geography will primarily focus on the Western Hemisphere (covering North & South America, while the second semester will focus on the Eastern Hemisphere (Europe, Asia, Africa and Antarctica).

Length: 1 semester or 1 year Grade level: 9- 12; Social Science

CN1=040011 CN2=040012

PR: None

MODERN WORLD HISTORY – Modern World History courses provide an overview of the history of human society in the past few centuries—from the Renaissance period, or later, to the contemporary period—exploring political, economic, social, religious, military, scientific, and cultural developments. **FALL SEMESTER** will cover the ancient world up to the 1400-1500s. Topics of discussion: 4 River Valleys, Greece, Rome, Middle Ages, Rise of Nations, and the Renaissance. **SPRING SEMESTER** will be a continuance of the fall, covering the 1400-1500s to the present. Topics of discussion: Rise of Nations, Rise of Asia-China & Japan, World Wars, Holocaust, Cold War, and Revolutions-social, political, and economic.

Length: 1 semester or 1 year Grade level: 10-12; Social Science

CN1=040531 CN2=040532

PR: None

PRACTICAL ARTS – BUSINESS-

ACCOUNTING- 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.

Length: 1 year

Grade level: 10-12; Practical Art

CNY=121041, 121042

PR: Business Essentials

ADVANCED ACCOUNTING- Advanced Accounting courses 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 learn how to apply standards auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are usually used. Topics include principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process and further enhancement of accounting skills.

Length: 1 year

Grade level: 11, 12; Practical Art

CNY=331081, 331082

PR: Accounting I

*****Will only be offered every other school year when the starting date of the school year ends in an ODD number.**

BUSINESS LAW- Business Law identifies and promotes the skills needed in law and law associated professions. Topics include the origins, ethics, structures, and institutions of law. It concentrates on several types of law including criminal, civil, consumer, contract, property, agency, employment, family and environmental law. The intent of the class is to allow areas of concentration once all the competencies are met.

Length: 1 semester

Grade level: 10-12; Practical Art

CN=120540

PR: Business Essentials

RISK MANAGEMENT AND INSURANCE- Risk Management and Insurance courses analyze risk management techniques from the viewpoints of those employed in the industry as well as of business owners seeking to meet risk management needs. Insurance products are evaluated in relation to cost and effectiveness.

Length: 1 semester

Grade level: 10-12; Practical Art

CN=121060

PR: Business Essentials

*****Will only be offered every other school year when the starting date of the school year ends in an ODD number.**

BANKING AND FINANCE- Banking and Finance courses provide students with an overview of the American monetary and banking system as well as types of financial institutions and the services and products that they offer. Course content may include government regulations; checking, savings, and money market accounts; loans; investments; and negotiable instruments.

Length: 1 semester

Grade level: 10-12; Practical Art

CN=121010

PR: Business Essentials

PRACTICAL ARTS – FACS-

CULINARY ESSENTIALS- The Culinary Essentials course provides students with knowledge and skills related to commercial and institutional food service establishments. Course topics include career pathways, employability skills, sanitation and safety procedures, measurements, tools and equipment, food preparation and production.

Length: 1 semester Grade level: 9-12; Practical Art CN= 160520

PR: Career & Life Planning or Intro to FACS \$10

NUTRITION AND WELLNESS- This course will examine components of interpersonal and intrapersonal well-being. Students will prepare for careers related to nutrition and wellness concepts by taking an in-depth look at various types of diets, nutrition information, and disease prevention to identify and apply healthy practices for a lifetime of wellness. Additionally, students will explore a variety of physical activities.

Length: 1 semester Grade level: 10-12; Practical Art CN=192530

PR: Career & Life Planning or Intro to FACS or Intro to Health Care \$10

*****Offered every other school year when the starting date of the school year ends in an ODD number.**

HUMAN GROWTH AND DEVELOPMENT-THE EARLY YEARS- This course provides students with knowledge about the physical, intellectual, emotional, and social growth (PIES) and development of children. Course content will provide an overview of life stages from prenatal and birth processes and fundamentals of children's milestone development during the early years.

Length: 1 semester Grade level: 10-12; Practical Art CN=450040

PR: Career & Life Planning or Intro to FACS

FAMILY STUDIES- The Family Studies course explores the roles and responsibilities of parents such as how society, media, technology and diversity impact their ability to balance work and family. It also includes the development of children and parents as their earliest teacher. Parenting styles and family stages are explored as is the changing demographics which will change the face of the US family. Parenting and behavior guidance skills are strengthened through a study of positive family relationships, child abuse and neglect, safety, and health practices. Occupations related to meeting the needs of families will be analyzed. This course will promote the creation of healthy and sustainable families be they their own or those they work with.

Length: 1 semester Grade level: 9-12; Practical Art CN=192550

PR: Career & Life Planning or Intro to FACS

ESSENTIALS OF FASHION, APPAREL, INTERIOR DESIGN- Essentials of Interior and Textile Design introduces students to and expands upon the various aspects of industry, conveying the commercial application of principles and elements of design, production processes, and maintenance techniques to meet the design needs of humans. This course will also provide a discussion and exploration of career opportunities in interior, textiles, and set/exhibit design.

Length: 1 semester Grade level: 10-12; Practical Art CN=192010

PR: Career & Life Planning or Intro to FACS

*****Offered every other school year when the starting date of the school year ends in an EVEN number.**

APPAREL PRODUCTION 1- Clothing and Textiles courses introduce students to and expand upon the various aspects of apparel, garment construction, and the textile industry, conveying the commercial application of design principles, production processes, and maintenance techniques. These courses usually address the selection, characteristics, care, and repair of various textiles; operation and care of commercial sewing machines; design, construction, and production of fabrics and/or garments; and career opportunities in the garment or textile industry.

Length: 1 semester Grade level: 10-12; Practical Art CN=192010

PR: Career & Life Planning or Intro to FACS

APPAREL PRODUCTION 2- Apparel Construction courses provide students with the knowledge and skill to construct, alter, and repair clothing and textile products. Course topics typically include taking measurements, creating and preparing patterns, and various sewing techniques; topics may also include customer service, fashion design principles, and business management. These courses may also offer specialized knowledge in a particular type of garment.

Length: 1 semester Grade level: 10-12; Practical Art CN=192030

PR: Apparel Production 1

FASHION TRENDS - A trend in Interior and Textile Design examines special topics in interiors and apparel that meet the needs of humans now and projected in the future, rather than providing a general study. Topics include sustainable design, shelter/apparel for diverse populations (such as aging, special needs, etc.), and how trends are developed. Additional topics will be generated as trends are identified.

Length: 1 semester Grade level: 10-12; Practical Art CN=301110

PR: Career & Life Planning or Intro to FACS

*****Offered every other school year when the starting date of the school year ends in an ODD number.**

CULINARY ARTS - Food Service courses provide instruction regarding nutrition, principles of healthy eating, and the preparation of food. Among the topics covered are large-scale meal preparation, preserving nutrients throughout the food preparation process, use and care of commercial cooking equipment, food storage, advances in food technology, sanitation, management, and the careers available in the food service industry. Formerly Food Service

Length: 1 year Grade level: 10-12; Practical Art CNY=160531, 160532

PR: Career & Life Planning or Intro to FACS

*****Offered every other school year when the starting date of the school year ends in an ODD number.**

CULINARY ARTS 2- Restaurant Management and Operations courses provide students with knowledge and skills related to commercial and institutional food service establishments, with an emphasis on management. Course topics therefore include guest service and relationships, planning, resource management, and other topics related to managing and operating restaurants. Formerly Restaurant Management and Operations.

Length: 1 semester Grade level: 11-12; Practical Art CN=160550

PR: Culinary Arts

BAKING & PASTRY 1- Culinary Art Specialty courses provide instruction in a particular type of cooking or culinary style. Examples of such specialty fields include baking, creating and decorating wedding cakes, Middle Eastern cuisine, and so on. These courses emphasize skills specific to the type of culinary art being studied. Formerly Culinary Art Specialty

Length: 1 semester Grade level: 10-12; Practical Art CN=160560

PR: Career & Life Planning or Intro to FACS

BAKING & PASTRY 2- These courses examine specific topics related to Restaurant, Food, and Beverage Services, such as catering, rather than provide a general study of the industry or of specific topics already described. Formerly Particular Topics in Restaurant, Food and Beverage Services

Length: 1 semester Grade level: 10-12; Practical Art CN=160570

PR: Baking and Pastry 1

*****Offered every other school year when the starting date of the school year ends in an EVEN number.**

COMPUTER ASSISTED ART – Computer-Assisted Art courses enable students to discover and explore how the computer can be used to create or to assist in producing various forms of artwork. Computer-Assisted Art courses provide the opportunity to become more adept in both the art form and in the use of the computer.

Length: 1 semester

Grade level: 10-12; Fine Art

CN=051690

PR: Basic Design/Creative Art and Drawing

FINE ARTS –MUSIC

###MARCHING BAND/CONCERT BAND- Courses in Marching Band are intended to develop students' technique for playing brass, woodwind, and percussion instruments and cover appropriate band literature styles, primarily for marching performances. Courses in Marching Band are intended to develop students' technique for playing brass, woodwind, and percussion instruments and cover appropriate band literature styles, primarily for marching performances.

Length: 1 year

Grade level: 9-12; Fine Art

CNY=051031, 051022

PR: Prior experience in band or the consent of the director.

Instrument Rental Fees may apply

###CHORUS- Chorus courses provide the opportunity to sing a variety of choral literature styles for men's and/or women's voices and are designed to develop vocal techniques and the ability to sing parts. The Ellsworth Singers is a group selected from The EHS Concert Chorus through an audition process.

Length: 1 year

Grade level: 9-12; Fine Art

CNY=051101, 051102

JAZZ BAND/CONTEMPORARY BAND-Contemporary band courses help students develop their techniques for playing brass, woodwind, percussion and string instruments as well as guitars and keyboards. This class will focus primarily on contemporary stage band literature styles, such as traditional jazz, jazz improvisation and rock.

Length: 1 year

Grade 9-12; Fine Art

CN=051050

PR: Prior experience in band or consent of the instructor

GUITAR- Guitar courses introduce students to the fundamentals of music and guitar-playing techniques, such as strumming and chords. These courses may also include more advanced guitar-playing techniques.

Length: 1 semester

Grade level; 9-12; Fine Art

CN=051080

MUSIC APPRECIATION/HISTORY- Music History/Appreciation courses survey different musical styles and periods with the intent of increasing students' enjoyment of musical styles and/or developing their artistic or technical judgment. Music History/Appreciation courses may also focus on developing an understanding of a particular style or period.

Length: 1 semester

Grade level; 9-12; Fine Art

CN=051160

INTRO TO THEATER- Introduction to the Theater courses provide an overview of the art, conventions, and history of the theater. Although the courses sometimes include experiential exercises, they emphasize learning about the theater rather than performance. Students learn about one or more of the following topics: basic techniques in acting, major developments in dramatic literature, major playwrights, the formation of theater as a cultural tradition, and critical appreciation of the art.

Length: 1 semester

Grade level; 9-12; Fine Art

CN=050510

HEALTH/PHYSICAL EDUCATION –

PHYSICAL EDUCATION - Physical Education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.

Length: 1 semester or 1 year

Grade level: 9-12; Physical Education

CN1=080011 CN2=080012

PR: Any student repeating this course may be denied based on prior performance**.

**Seniors who wish to take multiple PE courses must have a grade of C or better in all prior Physical Education classes or the permission of the instructor.

###CONDITIONING/WEIGHT TRAINING- Weight Training courses help students develop knowledge and skills with free weights and universal stations while emphasizing safety and proper body positioning; they may include other components such as anatomy and conditioning.

Length: 1 semester or 1 year

Grade level: 9-12; Physical Education

CN1=080091 CN2=080092

PR: Any student repeating this course may be denied based on prior performance. **

**Seniors who wish to take multiple PE courses must have a grade of C or better in all prior Physical Education classes or the permission of the instructor.

HEALTH EDUCATION- Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources.

Length: 1 semester

Grade level: 9; Health

CN=080510

COMPUTER SCIENCE –

COMPUTER PROGRAMMING- Computer Programming courses provide students with the knowledge and skills necessary to construct computer programs in one or more languages. Computer coding and program structure are often introduced with the BASIC language, but other computer languages, such as Visual Basic (VB), Java, Pascal, C++, and COBOL, may be used instead. Initially, students learn to structure, create, document, and debug computer programs, and as they progress, more emphasis is placed on design, style, clarity, and efficiency. Students may apply the skills they learn to relevant applications such as modeling, data management, graphics, and text-processing.

Length: 1 year Grade level: 10-12; Computer Technology CNY = 101521, 101522

PR: Computer Applications

EMERGING TECHNOLOGY- Emerging Technologies courses emphasize students' exposure to and understanding of new and emerging technologies. The range of technological issues varies widely but typically include lasers, fiber optics, electronics, robotics, computer technologies, CAD/CAM, communication modalities, and transportation technologies.

Length: 1 year Grade level: 11-12; Computer Technology CNY = 100401, 100402

PR: Computer Programming

GAME DESIGN AND AUTHORIZING FOR THE WEB- Game technologies represent the culmination of logic, sequence, tool utilization, and extension of skill. Programming process for this course will utilize all previously learned factors of programming logic, artistry, and interactivity.

Length: 1 year Grade level: 11-12; Computer Technology CNY = 101651, 101652

PR: Computer Programming

WEB PAGE DESIGN- Web Page Design courses teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals.

Length: 1 year Grade level: 10-12; Computer Technology CNY=102011, 102012

PR: Computer Applications

COMMUNICATIONS –

COMMUNICATIONS- Communications courses focus on the application of written and oral communication skills through a variety of formal and informal experiences. The courses are performance-based and emphasize effective interpersonal and team-building skills. Communications courses may also involve the study of how interpersonal communications are affected by stereotypes, nonverbal cues, vocabulary, and stylistic choices.

Length: 1 semester

Grade level: 9-12; Communications

CNY=011550

PR: None

###FORENSICS- Forensic Speech—Inclusive courses offer students the opportunity to learn how to use oral skills effectively in formal and informal situations. Students learn such skills as logic and reasoning, the organization of thought and supporting materials, and effective presentation of one's voice and body. Often linked to an extracurricular program, these courses introduce students to numerous public speaking situations, and they learn the methods, aims, and styles of a variety of events (e.g., formal debate, Lincoln-Douglas debate, expository speaking, radio broadcast, oral interpretation, and dramatic interpretation). Participation in competition is encouraged, but not always required.

Length: 1 semester

Grade level: 9-12; Communications

CN2=011522

PR: Communications or instructor approval

AGRICULTURE COMMUNICATIONS & LEADERSHIP- Agricultural Leadership courses help students develop leadership skills with a focus on opportunities in the food, fiber, and natural resources industries. Topics may include but are not limited to human relationships and effective communication, decision-making and problem-solving, leadership qualities and styles, and ensuring successful completion of group activities.

Length: 1 year

Grade level: 10-12; Communications

CNY=182031, 182032

PR: Must have taken 1 agriculture class

*****Offered every other school year when the starting date of the school year ends in an ODD number.**

FINANCIAL LITERACY-

Financial Literacy - Financial literacy course provides students with an understanding of the concepts, principles and skills involved in making and applying sound financial decisions. This course emphasizes earning income, spending, saving, investing, managing credit and managing risk.

Length: 1 semester

Grade level: 10-12; Financial Literacy

CN= 229900

PR: None

STEM-

RESEARCH IN AGRICULTURE - Allows students to prepare, conduct and evaluate science based projects as they relate to science in agriculture in the classroom, shop or greenhouse.

Length: 1 year

Grade level: 12; STEM

CNY=182061, 182062

FOREIGN LANGUAGE-

SPANISH I- Online Format/Self-Paced with weekly deadlines. Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.

Length: 1 year

Grade level: 9-12; Foreign Language

CNY=061011, 061012

PR: None

SPANISH II- Online Format/Self-Paced with weekly deadlines. Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).

Length: 1 year

Grade level: 10-12; Foreign Language

CNY=061021, 061022

PR: Spanish I

ELECTIVES—

INTRODUCTION TO HEALTH CARE- Provides students with the basic knowledge of health/wellness professionals in private business and industry, community organizations, and health care settings. Includes instruction in personal health, community health and welfare, nutrition, epidemiology, disease prevention, fitness and exercise, and health behaviors.

Length: 1 semester Grade level: 9-12; Elective CN=140000

INTRODUCTION TO FAMILY & CONSUMER SCIENCES- Introduction to Family and Consumer Sciences offers a look into the many occupations linked to providing for the basic needs of children, individuals and families. Occupations may include: nutrition educator, child care provider, social worker, foster parent, credit counselor, geriatric care provider, senior citizen care director, food service provider, restaurant manager, culinary artists, interior designer, fashion production and design, event planner and teacher.

Length: 1 year Grade level: 9-12; Elective CNY=192511, 192512

CAREER AND LIFE PLANNING - This course will introduce students to the skills and strategies needed to be focused, productive individuals. Emphasis is placed on goal-setting, decision making, time and personal management. Development of workplace skills, knowledge and attitudes needed to be successful in various career, community and family settings will be incorporated throughout this course.

Length: 1 semester Grade level: 9-12; Elective CN=192580

BUSINESS ESSENTIALS - This is a core course designed to give students an overview of the business, marketing and finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibilities.

Length: 1 semester Grade level: 9-12; Elective CN= 120500

PR: None

21ST CENTURY JOURNALISM/INTRO TO JOURNALISM- 21st Century Journalism promotes the development of the skill set needed today and in the future. Topics include an exploration of the role media and the communications industry has in society, the development of the technical skills related to journalistic writing and interviewing, as well as understand the ethical and legal issues related to the field.

Length: 1 semester Grade level: 10-12; Elective CN=301000

PR: Computer Applications or Business Essentials

INTRODUCTION TO INDUSTRIAL TECHNOLOGY - An introductory level course designed to instruct students in the basic skills necessary to all occupations in the Construction, Manufacturing and Transportation career clusters.

Length: 1 semester

Grade level: 9-12; Elective

CN= 380010

PR: None

INTRO TO AGRICULTURE- Introduction to Agriculture courses survey a wide array of topics within the agricultural industry, exposing students to the many and varied types of agriculture and livestock career opportunities and to those in related fields (such as natural resources). These courses serve to introduce students to the agricultural field, providing them an opportunity to identify an area for continued study or to determine that their interest lies elsewhere. They often focus on developing communication skills, business principles, and leadership skills.

Length: 1 year

Grade level: 9, 10; Elective

CNY= 180011, 180012

AGRIBUSINESS MANAGEMENT/AGRICULTURAL BUSINESS- Agribusiness Management courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. These courses may cover topics such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan, employee/employer relations, problem-solving and decision making, commodities, and building leadership skills. These courses may also incorporate a survey of the careers within the agricultural industry.

Length: 1 year

Grade level: 11, 12; Elective

CN1-182011, 182012

PR: Intro to Ag

*****Offered every other school year when the starting date of the school year ends in an EVEN number.**

ENTREPRENEURSHIP- Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

Length: 1 semester

Grade level: 11, 12; Elective

CNY=120531, 120532

PR: Business Essentials

HEALTH CARE – WORKPLACE EXPERIENCE- Students are required to rotate through a career from each of the five pathways for a Health Science Education cluster. Work experience only is developed to provide a rotational clinical/shadowing experience for the students at a variety of settings (i.e., dentist office, Therapeutic; occupational therapy, diagnostic; social worker, Health Informatics; interpreter, Support Services; pharmacy, Biotechnology). Goals are typically set cooperatively by the student, parents, teacher and employer.

Length: 1 year

Grade level: 11-12; Elective

CNY=369921, 369922

FINANCE – WORKPLACE EXPERIENCE Finance—Workplace Experience courses provide students with work experience in fields related to finance. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Length: 1 year

Grade level: 11-12; Elective

CNY=121481, 121482

ARCHITECTURE/CONSTRUCTION – WORKPLACE EXPERIENCE- An advanced application level course that offers students an opportunity to apply knowledge and skills in an actual workplace setting, outside of the school setting, that explores all aspects of the selected industry, builds relationships with industry professionals, and creates a seamless transition from secondary to postsecondary pursuits and job satisfaction. Students should have completed other pathway courses at the technical and application level prior to this course.

Length: 1 year

Grade level: 11-12; Elective

CNY=381101, 381102

AG INTERNSHIP - Ag Internship provides students to gain knowledge and skills for various Agriculture Careers. Students will provide a detailed log of experiences and hours while participating.

Length: 1 year

Grade level:11-12; Elective

CNY=180481, 180482

PR: Completion of two Ag classes

ADVANCED AG INTERNSHIP - This course allows additional time for students to be exposed to careers in an internship area as related to the AFNR cluster in a specific career.

Length: 1 year

Grade level:11-12; Elective

CNY=180491, 180492

PR: Completion of two Ag classes

CAREER CONNECTIONS – WORKPLACE EXPERIENCE - Career Connections provides human services/family and consumer sciences related work-based learning experiences (paid or unpaid) outside the traditional classroom. Learning goals are set by the student, teacher and employer/adult mentor to create field experiences and/or discussions related to human services/ family and consumer sciences occupational technical skills. **This course has a pre-requisite of a 1.0 credit within Human Services Cluster Pathways courses.

Length: 1 semester

Grade level: 11-12; Elective

CN=192980

WORKPLACE EXPERIENCE- Workplace Experience courses provide students with work experience in a field related to their interests. Goals are typically set cooperatively by the student, teacher, and employer. These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. Note: if the particular subject area is known, use the code associated with the Workplace Experience course within that subject area.

Length: 1 semester

Grade level: 11-12; Elective

CNY= 229981, 229982

PR: None

COLLEGE CLASSES—

PARTNERED ONLINE LEARNING - BARTON COMMUNITY COLLEGE

Ellsworth High School

Barton offers a special high school student tuition rate to Kansas high school students taking college credit classes at their high school and/or Partnered Online classes. These classes have been set up specifically for your school. These classes are \$50 PER CREDIT HOUR/\$150 FOR A 3-CREDIT HOUR CLASS/\$200 FOR A 4-CREDIT HOUR CLASS

Please contact Ms. Wright at your school to discuss whether or not these college classes are earning dual credit for you and how they might appear on your high school transcript.

Please use these Course Reference Numbers (CRN) to enroll:



Class
American History to 1877
American History 1877 – Present
Public Speaking
General Psychology
Intro to Sociology
Computer Concepts & Applications
Medical Terminology (requires textbook purchase)
Creative Writing
Anatomy & Physiology
Principles of Biology
Contemporary Math
Certified Nurse Aide

AMERICAN HISTORY TO 1877 HIST 1400 - American History to 1877 3 Credit Hours The history of America will be examined from the early arrival of the colonists through the American Civil War and its reconstruction period. Political, social, economic, cultural, and religious forces that have shaped American History will be studied. The course provides a foundation for understanding the basics of American History.

AMERICAN HISTORY 1877-PRESENT HIST 1402 - American History 1877-Present 1 to 3 Credit Hours American History 1877-Present is a study of social, economic, and political developments in American society from the end of the Civil War reconstruction (1877) to the present.

PUBLIC SPEAKING COMM 1230 - Public Speaking 3 Credit Hours This course includes a study of the theoretical principles underlying effective communicative behavior, and the practical application of those principles in various communicative exercises and assignments. The course is designed to increase the awareness of the importance of speech communication in today's society and develop competency of speakers.

GENERAL PSYCHOLOGY PSYC 1000 - General Psychology 3 Credit Hours This course provides a broad overview of the theories and research findings associated with the scientific study of behavior and mental processes. Topics covered may include research techniques, the biological influences on behavior, development, sensation and perception, motivation and emotion, intelligence, consciousness, learning, memory, the role of psychological factors in health, personality, mental disorders and their treatment, and social influences on behavior.

INTRO TO SOCIOLOGY SOCI 1100 - Introduction to Sociology 3 Credit Hours This course is the study of human social environments. Particular emphasis is given to the origin and nature of society and its institutions, general principles of sociology, and the influence of culture on the individual. Applications of

COMPUTER CONCEPTS & APPLICATIONS BSTC 1036 - Computer Concepts & App 3 Credit Hours This course is an introduction to basic computer concepts and includes hands-on use of microcomputers using common software applications. These software applications include typical features of office suites such as word processing, spreadsheets, database systems, presentation software, browsers, and other features found in current software packages. On course completion, students will understand common computer concepts and will be able to utilize common software applications.

MEDICAL TERMINOLOGY MDAS 1672 - Medical Terminology 3 Credit Hours Medical Terminology includes medical terms commonly encountered in the day-to-day activities of medically oriented students. Each lesson consists of prefixes, root words and/or suffixes, exercises, pronunciation of terms, practical applications, and review sheets.

CREATIVE WRITING ENGL 1216 - Creative Writing 3 Credit Hours A special study of forms and practice in composition for students who wish to develop particular skills in the drama, short story, and poetry. From these skills, students will be introduced to skills needed in writing the novel.

PRINCIPLES OF BIOLOGY LIFE 1402 - Principles of Biology 0 to 5 Credit Hours The course introduces the student to the unifying principles common to all levels of biological organization. Emphasis is at the cellular, organism and population levels with inquiry into the nature of scientific investigation. This course is designed to provide students with a biological frame of reference in a liberal education as well as for students selecting additional courses in the department of biology.

ANATOMY & PHYSIOLOGY LIFE 1408 - Anatomy & Physiology 0 to 5 Credit Hours The aim of this course is to provide the student with a knowledge of the structure and function of the human body. Emphasis is on the study of function in the body and a basic knowledge of gross anatomy. Laboratory work will include a study of the major body systems.

CERTIFIED NURSE AIDE NAID 1229 - Nursing Home Aide 1 to 5 Credit Hours This course is designed to enhance basic care-giving skills, human understanding, and work-place skills and attitudes, all of which are necessary to render services and provide basic nursing care that is age appropriate, according to specific needs, as supervised by a professional. Emphasis is placed on the normal needs of the geriatric resident and specific individual physical, psychosocial, environmental, and spiritual needs. This course prepares students to sit for the state examination to gain certification as Nurse Aide.

AGRICULTURAL EDUCATION

INTRO TO AGRICULTURE- CNY= 180011, 180012

AGRICULTURAL METAL FABRICATION TECHNOLOGY- CNY=184041, 184042

AGRICULTURE MECHANICS/EQUIPMENT/STRUCTURES - CNY=184011, 184012

AGRICULTURE FABRICATION – CNY=184091, 184092

ANIMAL PRODUCTION/SCIENCE- CNY=181011, 181012

HORTICULTURAL SCIENCE- CNY=180521, 180522

VETERINARY SCIENCE- CNY=181051, 181052

NATURAL RESOURCES MANAGEMENT- CNY=185041, 185042

ENVIRONMENTAL RESOURCES AND WILDLIFE- CNY=3750621, 375062

AGRIBUSINESS MANAGEMENT/AGRICULTURAL BUSINESS-CN1-182011, 182012

AGRICULTURE COMMUNICATIONS & LEADERSHIP- CNY=182031, 182032

AGRIBUSINESS-INDEPENDENT STUDY- CN1=182471, CN2=182472

AG INTERNSHIP- CN=180480

ADVANCED AG INTERNSHIP – CNY=180491, 180492

BUSINESS

COMPUTER APPLICATIONS- CNY=100041, 100042

FINANCIAL LITERACY – CN=229900

ACCOUNTING- CNY=121041, CNY=121042

ADVANCED ACCOUNTING- CNY=331081, 331082

ENTREPRENEURSHIP- CNY =120531, 120532

BUSINESS LAW – CN=120540

RISK MANAGEMENT & INSURANCE – CN=121060

BANKING & FINANCE – CN=120520

FINANCE WORKPLACE EXPERIENCE – CNY=121481, 121482

COMMUNICATIONS

COMMUNICATIONS- CN1=011550

AGRICULTURE COMMUNICATIONS & LEADERSHIP- CNY=182031, 182032

###FORENSICS- CN2=011522

ENGLISH

ENGLISH/LANGUAGE ARTS I – CNY=010011, 010012

ENGLISH/LANGUAGE ARTS II– CNY=010021, 010022

ENGLISH/LANGUAGE ARTS III - CNY=010031, 010032

ENGLISH/LANGUAGE ARTS IV - CN1=011021, CN2=011022

COLLEGE COMP I/II - CN1=011031, CN2=011032

FAMILY AND CONSUMER SCIENCE

APPAREL PRODUCTION 1- CN=192010

APPAREL PRODUCTION 2- CN=192030

FASHION TRENDS – CN=301110

ESSENTIALS OF FASHION, APPAREL, INTERIOR DESIGN – CN=192010

CULINARY ESSENTIALS- CN= 160520

CULINARY ARTS- CNY= 160531, 160532

CULINARY ARTS 2- CN= 160550

BAKING & PASTRY 1- CN= 160560

BAKING & PASTRY 2- CN= 160570

NUTRITION AND WELLNESS- CN=192530

HUMAN GROWTH AND DEVELOPMENT – THE EARLY YEARS- CN=450040

FAMILY STUDIES- CN=222080

CAREER AND LIFE PLANNING- CN=192580

CAREER CONNECTIONS- CN=192980

FINE ARTS

ART

CREATIVE ART- CN=051540

###CERAMICS/POTTERY- CN1=051590

###DRAWING- CN=051560

###JEWELRY- CN1=051660

###PAINTING- CN2=051570

COMPUTER ASSISTED ART- CN=051690

MUSIC

###MARCHING BAND/CONCERT BAND- CN1=051031, CN2=051022

###CHORUS- CNY=051101, 051102

JAZZ BAND/CONTEMPORARY BAND- CNY=051051, 051052

GUITAR- CN1=051080

FOREIGN LANGUAGE

SPANISH I- CNY=061011, 061012

SPANISH II- CNY=061021, 061022

HEALTH AND PHYSICAL EDUCATION

HEALTH AND FITNESS- CN1=080520

PHYSICAL EDUCATION -CN1=080011, CN2=080012

###CONDITIONING/WEIGHT TRAINING- CN1=080091, CN2=080092

INDUSTRIAL TECHNOLOGY

INTRODUCTION TO INDUSTRIAL TECHNOLOGY - CN1= 380010

CARPENTRY I- CN1=170021, CN2=170022

CARPENTRY II- CN1=380021, CN2=380022

SKILLED MECHANICAL CRAFTS- CNY=170620

WOODWORKING PRINCIPLES- CNY=170071, 170072

###FURNITURE & CABINETRY FABRICATION/CABINET & FURNITURE DESIGN- CNY=380071, 380072

MATH

ALGEBRA 1 – PART 1- CNY=020531, 020532

ALGEBRA 1 – PART 2- CNY=020541, 020542

INFORMAL GEOMETRY- CNY=020711, 020712

ALGEBRA I- CNY=020521, 020522

GEOMETRY- CNY=020721, 020722

TECHNICAL MATH- CNY=021531, 021532

ALGEBRA II- CNY=020561, 020562

ALGEBRA III- CNY=020571

PROBABILITY & STATISTICS- CNY=022021, 022022

PRECALCULUS- CNY=021101, 021102

CALCULUS- CNY=021211, 021212

COLLEGE ALGEBRA – CN2= 950007

PUBLICATIONS

21ST CENTURY JOURNALISM- CN1=301000

DIGITAL MEDIA DESIGN & PRODUCTION- (Yearbook) CNY=301511, 301512

DIGITAL MEDIA TECHNOLOGY- CNY=301041, 301042

TECHNOLOGY

COMPUTER APPLICATIONS- CN=100040

GRAPHIC DESIGN FUNDAMENTALS- CN=301020

PHOTO IMAGING- CNY=301050

DIGITAL MEDIA DESIGN & PRODUCTION- (Yearbook) CNY=301511, 301512

DIGITAL MEDIA TECHNOLOGY- CNY=301041, 301042

COMPUTER SCIENCE

COMPUTER PROGRAMMING- CNY=101521, 101522

EMERGING TECH- CNY=100401, 100402

GAME DESIGN & AUTHORIZING FOR THE WEB- CNY=101651, 101652

WEB PAGE DESIGN- CNY=102011, 102012

SCIENCE

PHYSICAL SCIENCE- CNY=031591, 031592

BIOLOGY I- CNY=030511, 030512

ANIMAL PRODUCTION/SCIENCE- CNY=181011, 181012

HORTICULTURAL SCIENCE- CNY=180521, 180522

VETERINARY SCIENCE- CNY=181051, 181052

NATURAL RESOURCES MANAGEMENT- CNY=185041, 185042

ENVIRONMENTAL RESOURCES AND WILDLIFE- CNY=375061, 375062

ANATOMY & PHYSIOLOGY I (ADVANCED BIOLOGY)- CNY=030531, 030532

CHEMISTRY I- CNY=031011, 031012

CHEMISTRY II- CNY=031021, 031022

EARTH & SPACE SCIENCE- CNY=030081, 030082

PHYSICS-CNY=031511, 031512

SOCIAL SCIENCE

AMERICAN GOVERNMENT- CN=041510

ECONOMICS- CN=042010

AMERICAN HISTORY- CNY=041011, 041012

###CONTEMPORARY WORLD ISSUES- CN1=040641, CN2=040642

SOCIOLOGY-CN=042580

WORLD GEOGRAPHY- CN1=040011, CN2=040012

MODERN WORLD HISTORY- CN1=040531, CN2=040532

ELECTIVE CONSIDERATIONS

INTRO TO AG-CNY=180011, 180012

INTRO TO HEALTH CARE-CN=140000

BUSINESS ESSENTIALS-CN=120500

21st CENTURY JOURNALISM-CN=301000

INTRO TO INDUSTRIAL TECHNOLOGY-CN=380010

INTRO TO FACS- CNY=192511, 192512

AIDE- CNY= 229951, 229952

TUTORIAL/INDIVIDUAL IMPROVEMENT PROGRAM- CNY=220051, 220052

TUTORING PRACTICUM-CNY=220541, 220542

STUDY SKILLS-CN1=220033, CN2=220034

FLEX – CN2=000002

STEM

RESEARCH IN AG – CNY=182061, 182062

WORKPLACE EXPERIENCE

HEALTHCARE-CNY=369921, 369922

FINANCE-CNY=121481, 121482

ARCHITECTURE/CONSTRUCTION-CNY=381101, 381102

CAREER CONNECTIONS-CN=192980

AG INTERNSHIP-CNY=184081, 184082

ADVANCED AG INTERNSHIP-CNY=180491, 180492

WORKPLACE EXPERIENCE-CNY=229981, 229982



AGRICULTURE, FOOD AND NATURAL RESOURCES CAREER CLUSTER DESIGN

Comprehensive Agricultural Science Pathway

CIP CODE 01.9999

APPROVED PATHWAY:

- Includes a minimum of three secondary-level credits.
- Includes a work-based element.
- Consist of a sequence:
 - Introductory-level course.
 - Technical-level course.
 - Application-level course.
- Supporting documentation includes:
 - Articulation Agreement(s).
 - Certification.
 - Program Improvement Plan.
 - Program of Study.
- Technical-level and Application-level courses receive .5 state weighted funding in an approved CTE pathway.

INTRODUCTORY LEVEL

Title	Code	Credit
*. Introduction to Agriculture	18001	1
*. Exploratory Agriculture	68001	

TECHNICAL LEVEL

Must choose at least TWO of the courses in this level.

Title	Code	Credit
Agriscience	18002	1
Horticulture	18052	1
Plant and Soil Science	18058	1
Animal Science	18101	1
Plant and Animal Science	18301	1
Agricultural Food Science	18305	1
Biotechnology in Agriculture	18308	1
Natural Resource Management	18504	1

APPLICATION LEVEL

Title	Code	Credit
Internship	18048	1
Advanced Internship	18049	1
Agricultural Business	18201	1
Agricultural Entrepreneurship	18202	1
Agricultural Leadership and Communications	18203	1
Research in Agriculture	18206	1
Advanced Plant and Animal Science	18302	1

* Required courses in pathway approval.

• Must choose ONE of the required courses in Introductory Level for pathway approval.



AGRICULTURE, FOOD AND NATURAL RESOURCES CAREER CLUSTER DESIGN

Animal Science Pathway

APPROVED PATHWAY:

CIP CODE 01.0901

1. Includes a minimum of three secondary-level credits.
2. Includes a work-based element.
3. Consist of a sequence:
 - Introductory-level course.
 - Technical-level course.
 - Application-level course.

INTRODUCTORY LEVEL

Title	Code	Credit
*•Introduction to Agriculture	18001	1
*•Exploratory Agriculture	68001	

TECHNICAL LEVEL

Title	Code	Credit
Agriscience	18002	1
* Animal Science	18101	

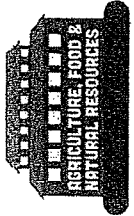
APPLICATION LEVEL

Title	Code	Credit
• Advanced Animal Science	18103	1
• Equine Science	18104	1
• Small Animal Care	18102	1
• Animal Health/Net Tech Research in Agriculture	18105	1
18206		1
Agricultural Entrepreneurship	18202	1
Agricultural Leadership and Communications	18203	1
Advanced Internship	18049	1
Agricultural Business	18201	1
Internship	18048	1

4. Supporting documentation includes:
 - Articulation Agreement(s).
 - Certification.
 - Program Improvement Plan.
 - Program of Study.

5. Technical-level and Application-level courses receive .5 state weighted funding in an approved CTE pathway.

- * Required courses in pathway approval.
- Must choose **ONE** Application Level course for pathway approval.



Natural Resources and Environmental Systems Pathway

CIP CODE 03.0101

APPROVED PATHWAY:

1. Includes a minimum of three secondary-level credits.
2. Includes a work-based element.

3. Consist of a sequence:

- Introductory-level course.
- Technical-level course.
- Application-level course.

4. Supporting documentation includes:

- Articulation Agreement(s).
- Certification.
- Program Improvement Plan.
- Program of Study.

5. Technical-level and Application-level courses receive .5 state weighted funding in an approved CTE pathway.

• INTRODUCTORY LEVEL

Title	Code	Credit
* Introduction to Agriculture	18001	1
* Exploratory Agriculture	68001	

• TECHNICAL LEVEL

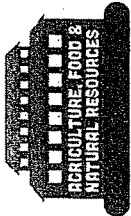
Title	Code	Credit
Agriscience	18002	1
* Natural Resources Management	18504	

• APPLICATION LEVEL

Title	Code	Credit
Internship	18048	1
Advanced Internship	18049	1
Agricultural Business	18201	1
Agricultural Entrepreneurship	18202	1
Agricultural Leadership and Communications	18203	1
Research in Agriculture	18206	1
* Environmental Resources and Wildlife Science	37506	1

* Required courses in pathway approval.

• A minimum of ONE course from each level is required for pathway approval.



AGRICULTURE, FOOD AND NATURAL RESOURCES CAREER CLUSTER DESIGN Power, Structural and Technical Systems Pathway

APPROVED PATHWAY:

CIP CODE 01.0201

- Includes a minimum of three secondary-level credits.
- Includes a work-based element.
- Consist of a sequence:
 - Introductory-level course.
 - Technical-level course.
 - Application-level course.
- Supporting documentation includes:
 - Articulation Agreement(s).
 - Certification.
 - Program Improvement Plan.
 - Program of Study.
- Technical-level and Application-level courses receive .5 state weighted funding in an approved CTE pathway.

INTRODUCTORY LEVEL

Title	Code	Credit
*-Introduction to Agriculture	18001	1
*-Exploratory Agriculture	68001	

TECHNICAL LEVEL

Title	Code	Credit
Agriscience	18002	1
*-Agricultural Mechanics	18401	1
*-Agricultural Welding I	18404/39207	1
*-Small Engines	18410	1

APPLICATION LEVEL

Title	Code	Credit
Internship	18048	1
Advanced Internship	18049	1
Agricultural Business	18201	1
Agricultural Entrepreneurship	18202	1
Agricultural Leadership and Communications	18203	1
Research in Agriculture	18206	1
*-Advanced Agricultural Mechanics	18402	1
*-Agricultural Structures	18403	1
*-Agricultural Welding II	18407/39208	1
*-Agricultural Fabrication	18409	1
*-Advanced Agricultural Power	18411	1

- * Required courses in pathway approval.
- Must choose **ONE** of the required courses in each level for pathway approval.

ARCHITECTURE AND CONSTRUCTION CAREER CLUSTER DESIGN Construction and Design Pathway

CIP CODE 46.0000

INTRODUCTORY LEVEL

Title	Code	Credit
Drafting	21102	0.5
Production Blueprint Reading	21108	0.5
i Introduction to Industrial Technology	38001	0.5

TECHNICAL LEVEL

Title	Code	Credit
• Interior Design I	19263	0.5
Architecture Design	21103	1
Drafting/CAD	21107	1
• Interior Design II	22212	0.5

APPLICATION LEVEL

Title	Code	Credit
Research and Design for Preconstruction	21109	1
Advanced Studies	38050	0.5
Workplace Experience in Architecture and Construction	38100	0.5
Comprehensive Workplace Experience in Architecture and Construction	38110	1
Interior Architectural Design	38212	0.5

CONSTRUCTION STRAND

Title	Code	Credit
Carpentry	17002	1
Woodworking Principles	17007	1
Skilled Mechanical Crafts	17062	0.5

CONSTRUCTION STRAND

Title	Code	Credit
# Sheet Metal Technology	13205	0.5
# Research and Design in Building Trades	17005	1
# Remodel and Building Maintenance	17009	0.5
# HVAC Technology	17056	0.5
# Plumbing Technology	17058	0.5
# Pipefitting Technology	17061	1
# Electrical and Security Systems	17113	0.5
# Carpentry II	38002	1
# Furniture and Cabinetry Fabrication	38007	1
# / Advanced Materials Technology	38010	1
Workplace Experience in Architecture and Construction	38100	0.5
Comprehensive Workplace Experience in Architecture and Construction	38110	1

APPROVED PATHWAY:

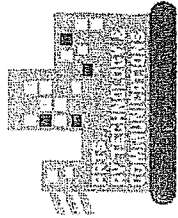
- Includes a minimum of three secondary-level credits.
- Includes a work-based element.
- Consist of a sequence:
 - Introductory-level course.
 - Technical-level course.
 - Application-level course.
- Supporting documentation includes:
 - Articulation Agreement(s).
 - Certification.
 - Program Improvement Plan.
 - Program of Study.
- Technical-level and Application-level courses receive 5 state weighted funding in an approved CTE pathway.

i Required course for construction strand.

• Requires FACS Licensure.

Has prerequisite(s). Courses comprising a sequence are numbered consecutively. See Competency Profile for details.

/ Advanced Materials Technology (38010) has prerequisite courses: Woodworking Principles (17007) AND Furniture and Cabinetry (38007).



KANSAS CAREER PATHWAYS | KANSAS CAREER CLUSTER GUIDANCE HANDBOOK 2023-2024
ARTS, AV AND COMMUNICATION CAREER CLUSTER PATHWAY
Digital Media Pathway

CIP CODE 09.0702

APPROVED PATHWAY:

- Includes a minimum of three secondary-level credits.
- Includes a work-based element.
- Consist of a sequence:
 - Introductory-level course.
 - Technical-level course.
 - Application-level course.
- Supporting documentation includes:
 - Articulation Agreement(s).
 - Certification.
 - Program Improvement Plan.
 - Program of Study.
- Technical-level and Application-level courses receive .5 state weighted funding in an approved CTE pathway.

* Required course for pathway approval.

INTRODUCTORY LEVEL

Title	Code	Credit
Computer Applications	10004/60004	1
Business Essentials	12050	0.5

TECHNICAL LEVEL

Title	Code	Credit
Graphic Design	05162/11154	1
Sports and Entertainment Marketing	12163	0.5
* 21 st Century Journalism	30100	0.5
Graphic Design Fundamentals	30102	0.5
Audio/Video Production Fund	30103	0.5
Digital Media Technology	30104	0.5
Photo Imaging	30105	0.5
Digital Marketing	35162	0.5
Media and Public Relations	43115	0.5

APPLICATION LEVEL

Title	Code	Credit
Video Production	30150	1
Digital Media Design and Production	30151	1
Digital Media Project Management	31091	1



FINANCE CAREER CLUSTER DESIGN

Business Finance Pathway

CIP CODE 52.0801

APPROVED PATHWAY:

1. Includes a minimum of three secondary-level credits.
2. Includes a work-based element.
3. Consist of a sequence:
 - Introductory-level course.
 - Technical-level course.
 - Application-level course.
4. Supporting documentation includes:
 - Articulation Agreement(s).
 - Certification.
 - Program Improvement Plan.
 - Program of Study.
5. Technical-level and Application-level courses receive .5 state weighted funding in an approved CTE pathway.

INTRODUCTORY LEVEL

Title	Code	Credit
* Business Essentials	12050	0.5

TECHNICAL LEVEL

Title	Code	Credit
* Accounting	12104	1
* Consumer and Personal Finance	22210	0.5

APPLICATION LEVEL

• FINANCIAL INSTITUTIONS AND SERVICES STRAND

Title	Code	Credit
Banking and Finance	12101	0.5
Investing	12107	0.5
Risk Management and Insurance	12106	0.5

• ACCOUNTING STRAND

Title	Code	Credit
Advanced Accounting	33108	1
College Accounting	33109	

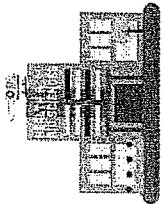
OPTIONAL SUPPORTIVE COURSES

Title	Code	Credit
Business Economics	12105	0.5
Business Communications	12009	0.5
Business Law	12054	0.5
Entrepreneurship	12053	0.5
Advanced Spreadsheet Applications	33110	0.5

OPTIONAL SUPPORTIVE COURSES

Title	Code	Credit
Finance - Workplace Experience	12148	0.5
Finance - Workplace Experience	12148	1
Advanced Finance - Workplace Experience	33200	1

- * Required courses for pathway approval.
- **ONE CREDIT** from at least one strand is required.
- School may include both in pathway. Student only takes one for completer status.



HEALTH AND BIO SCIENCES CAREER CLUSTER DESIGN

Health Science Pathway

CIP CODE 51.9999

APPROVED PATHWAY:

- Includes a minimum of three secondary-level credits.
- Includes a work-based element.
- Consist of a sequence:
 - Introductory-level course.
 - Technical-level course.
 - Application-level course.
- Supporting documentation includes:
 - Articulation Agreement(s).
 - Certification.
 - Program Improvement Plan.
 - Program of Study.
- Technical-level and Application-level courses receive .5 state weighted funding in an approved CTE pathway.

INTRODUCTORY LEVEL

Title	Code	Credit
* Introduction to Health Care	14000	0.5
Biology	03051	1
Chemistry	03101	1

TECHNICAL LEVEL

Title	Code	Credit
Nutrition and Wellness	19253	0.5
* Anatomy and Physiology	03053	1
GIEMSFirst Responder	44050	0.5
Medical Terminology	14154	0.5
Health Information (HID)	14157	1
APBiology	03056	1
Health Care Research and Clinical Skills A	14254	0.5
Health Care Research and Clinical Skills B	36254	1

GENERAL HEALTH STRAND (PA, MED)

Title	Code	Credit
Fundamentals of Emergency Services	14055	0.5
Medical Interventions	14105	

SPORTS MED/REHABILITATION STRAND (ATC, PT, OT)

Title	Code	Credit
GI Physical Therapy	14060	1
GI Care of Athletes	14062	0.5
GI Sports Medicine I	14072	1

ALLIED HEALTH STRAND (Nursing, X-Ray, EMT, Lab Sciences)

Title	Code	Credit
Medical Imaging	14103	0.5
GI Pharmacology	14253	1
GI Emergency Medical Tech (EMD)	44060	1

APPLICATION LEVEL

Title	Code	Credit
GI Certified Medication Aide	36156	0.5
GI Certified Nursing Assistant	14997	0.5/1
Health Care Work Experience	36992	1
Health Care Work Experience	36993	2

GENERAL HEALTH STRAND (PA, MED)

Title	Code	Credit
GI Phlebotomy Technician	14104	0.5

SPORTS MED/REHABILITATION STRAND (ATC, PT, OT)

Title	Code	Credit
GI Sports Medicine II	14073	

ALLIED HEALTH STRAND (Nursing, X-Ray, EMT, Lab Sciences)

Title	Code	Credit
GI Phlebotomy Technician	14104	0.5
GI Home Health Aide	36053	0.5
GI Dental Assistant	36054	1
GI Pharmacy Technician	36157	1
GI# Emergency Medical Tech II (EMTII)	44065	1

* Required course for pathway approval.
 # Has a prerequisite Emergency Medical Tech (44060).
GI Courses may require specialized teacher certification and/or offer professional certification.

HOSPITALITY AND TOURISM CAREER CLUSTER DESIGN

Restaurant and Event Management Pathway

CIP CODE 12.0504

APPROVED PATHWAY:

1. Includes a minimum of three secondary-level credits.
2. Includes a work-based element.
3. Consist of a sequence:
 - Introductory-level course.
 - Technical-level course.
 - Application-level course.
4. Supporting documentation includes:
 - Articulation Agreement(s).
 - Certification.
 - Program Improvement Plan.
 - Program of Study.
5. Technical-level and Application-level courses receive .5 state weighted funding in an approved CTE pathway.

INTRODUCTORY LEVEL

Title	Code	Credit
Business Essentials	12050	0.5
Introduction to Family and Consumer Sciences	19251	1
Career and Life Planning	19258	0.5

TECHNICAL LEVEL

Select a strand at division.

Title	Code	Credit
* Culinary Essentials	16052	0.5
Nutrition and Wellness	19253	0.5

EVENT PLANNING AND MANAGEMENT STRAND

Title	Code	Credit
Foundations of Travel and Tour	16151	0.5
Event Planning and Management	34052	0.5

CULINARY ARTS AND MANAGEMENT STRAND

Title	Code	Credit
O Culinary Arts	16053	1
# Culinary Arts II	16055	0.5
Baking and Pastry I	16056	0.5
# Baking and Pastry II	16057	0.5
Food Science	19254	1
Event Planning and Management	34052	0.5

These courses may be offered after **THREE** credits in the Technical Level have been selected:

Title	Code	Credit
Entrepreneurship	12053	0.5
Principles of Marketing	12164	

APPLICATION LEVEL

EVENT PLANNING AND MANAGEMENT STRAND

Title	Code	Credit
Community Connections	19297	0.5
Career Connections	19298	0.5
Applied Business Development	32200	1

CULINARY ARTS AND MANAGEMENT STRAND

Title	Code	Credit
Culinary Workplace Experience	16098	1
Community Connections	19297	0.5
Career Connections	19298	0.5

* Required course for pathway approval.

Has a prerequisite course(s):

Courses comprising a sequence are numbered consecutively. See Competency Profile for details.

Culinary Arts (16053) is a prerequisite for Culinary Arts II (16055).

o Required course in the strand.



HUMAN SERVICES CAREER CLUSTER DESIGN

Family, Community and Consumer Services Pathway

CIP CODE 19.0799

APPROVED PATHWAY:

1. Includes a minimum of three secondary-level credits.
2. Includes a work-based element.
3. Consist of a sequence:
 - Introductory-level course.
 - Technical-level course.
 - Application-level course.
4. Supporting documentation includes:
 - Articulation Agreement(s).
 - Certification.
 - Program Improvement Plan.
 - Program of Study.
5. Technical-Level and Application-level courses receive .5 state weighted funding in an approved CTE pathway.

INTRODUCTORY LEVEL

Title	Code	Credit
Introduction to Family and Consumer Sciences	19251	
Career and Life Planning	19258	0.5

TECHNICAL LEVEL

Title	Code	Credit
Culinary Essentials	16052	0.5
Nutrition and Wellness	19253	0.5
* Family Studies	19255	0.5
Leadership Service in Action	19257	0.5
Relationships and Personal Development	19260	0.5
* Consumer and Personal Finance	22210	0.5
• Human Growth and Development - Early Years	45004	0.5
• Lifespan Development	45014	0.5

APPLICATION LEVEL

Title	Code	Credit
# Community Connections	19297	0.5
# Career Connections	19298	0.5

- * Required course for pathway approval.
- # Has a prerequisite of ONE credit within Human Services Pathway courses.
- Must choose at least ONE of these Technical Level courses for pathway approval.



HUMAN SERVICES CAREER CLUSTER DESIGN

Fashion, Apparel, Interior Design (FAID) Pathway

APPROVED PATHWAY:

CIP CODE 19.0999

1. Includes a minimum of three secondary-level credits.
2. Includes a work-based element.
3. Consist of a sequence:
 - Introductory-level course.
 - Technical-level course.
 - Application-level course.
4. Supporting documentation includes:
 - Articulation Agreement(s).
 - Certification.
 - Program Improvement Plan.
 - Program of Study.
5. Technical-level and Application-level courses receive .5 state weighted funding in an approved CTE pathway.

INTRODUCTORY LEVEL

Title	Code	Credit
Introduction to Family and Consumer Sciences	19251	1
Career and Life Planning	19258	0.5
e Drafting	21102	0.5
Introduction to Drawing	30005	0.5

TECHNICAL LEVEL

Select a strand at the division.

Title	Code	Credit
* Essentials of FAID	30110	0.5
FAID Merchandising and Entrepreneurship	30112	0.5

FASHION AND APPAREL DESIGN (STRAND A)

Title	Code	Credit
* Apparel Production I	19201	0.5
# Apparel Production II	19203	0.5
* Fashion Trends	30111	0.5

INTERIOR DESIGN (STRAND B)

Title	Code	Credit
* Interior Design I	19263	0.5
# Interior Design II	22212	0.5
e Architecture Design	21103	1

APPLICATION LEVEL

STRANDS A AND B

Title	Code	Credit
Career Connections	19298	0.5
FAID Studio	30160	

* Required course for pathway approval per strand.

e Only for Interior Design Strand.

Has prerequisite course(s): Courses comprising a sequence are numbered consecutively. See Competency Profile for details.



INFORMATION TECHNOLOGY CAREER CLUSTER DESIGN

Web and Digital Communications Pathway

CIP CODE 11.1004

APPROVED PATHWAY:

1. Includes a minimum of three secondary-level credits.
2. Includes a work-based element.
3. Consist of a sequence:
 - Introductory-level course.
 - Technical-level course.
 - Application-level course.
4. Supporting documentation includes:
 - Articulation Agreement(s).
 - Certification.
 - Program Improvement Plan.
 - Program of Study.
5. Technical-level and Application-level courses receive .5 state weighted funding in an approved CTE pathway.

INTRODUCTORY LEVEL

Title	Code	Credit
Computing Systems	10002/60002	1
Computer Applications	10004/60004	

TECHNICAL LEVEL

Title	Code	Credit
Graphic Design	05162/11154	1
Computer Programming	10152	1
Web Page Design	10201	1
Computer Graphics	10202	1
Interactive Media	10203	1
Animation	10210	1
Internet Marketing	12162	1
GIS Technology	21058	1

APPLICATION LEVEL

Title	Code	Credit
1B Information Technology in Global Society	10007	1
Emerging Technologies - Computing	10040	1
Game Design and Authoring for the Web	10165	1
Particular Topics in Media Technology	10204	1
GIS Spatial Applications	21112	1
Web and Digital Communications Project Management	31096	1