

KELLY HIGH SCHOOL

COURSE HANDBOOK



Academic Year: 2026 - 2027

CONTENTS

Non-Discrimination Notice	2
Grading System & Weighted Courses	2
Graduation Requirements	3
Early College Credit	4
Academic Award/Honor Roll	5
Communication Arts	6
Mathematics	9
Science	11
Social Studies	13
Agriculture	14
Business	15
Family and Consumer Science	19
A+ Tutoring	21
Physical Education/Health	21
Foreign Language	22
Music	23
Art	25
Flex Program	28
Cape Career & Technology Courses	29
CTC Program Supply List	39
Core 42 Dual Courses	41

NON-DISCRIMINATION NOTICE

In accordance with the provisions of The Americans With Disabilities Act, Title VI of the Civil Rights Acts of 1964, Title IX of the Education Amendments of 1972 and the Regulations thereunder, and P.L. 93-112; Rehabilitation Act of 1972 and Section 504 thereunder, it shall be the policy of the Scott County R-IV School District that no person shall, on the basis of age, sex, race, handicap, national origin, political or religious beliefs, be excluded from participation in, be denied the benefits of, or subjected to discrimination under any education program or activity conducted by the District, including the employment of professional and nonprofessional personnel.

Inquiries by persons concerning protection against discrimination assured them by The American with Disabilities Act, Title VI, Title IX and Section 504 of the Rehabilitation Act, and the Regulations may be directed by letter or telephone to the following: Superintendent, Scott County R-IV School District, 4035 State Highway 77, Benton, MO 63736; Telephone number (573) 545-3541, Fax number: (573) 545-3929.

Board of Education
Scott County R-IV School District

GRADING SYSTEM

Non-Weighted Classes

A	4.0000
A-	3.6667
B+	3.3334
B	3.0000
B-	2.6667
C+	2.3334
C	2.0000
C-	1.6667
D+	1.3334
D	1.0000
D-	0.6667
F	0

Weighted Classes

A	4.3334
A-	4.0000
B+	3.6667
B	3.3334
B-	3.0000
C+	2.6667
C	2.3334
C-	2.0000
D+	1.6667
D	1.3334
D-	1.0000
F	0

WEIGHTED COURSES

American Lit./Comp. I

College English I

College Variety of Literature

Trigonometry/Calculus

Anatomy & Physiology

College Art Appreciation

College Education of the Exceptional Learner

CTC Programs offered as College Credit

English Lit./Comp. II

College English II

Pre-Calculus

Accounting II

AP Biology

College Teaching Profession

Core 42 College Dual Courses Only

Note: Any class that does not have sufficient enrollment may not be offered that year. Some semester classes will be offered on a rotating basis.

KELLY HIGH SCHOOL

GRADUATION REQUIREMENTS

Students graduating from Thomas W. Kelly High School shall meet the following minimum state requirements for graduation. Colleges and Universities may have more specific requirements:

<u>CREDITS</u>	<u>SUBJECTS</u>
4.0	Communication Arts
3.0	Mathematics
3.0	Science
3.0	Social Studies
	American History, World History, American Government
1.0	Fine Arts
	Art or Music (Band/Choir) courses
1.0	Practical Arts (One course from any area below)
	Agriculture, Business, Family and Consumer Science, or Career Technical Education (CTC) Courses
1.0	Physical Education
0.5	Health
0.5	Personal Finance
<u>7.0</u>	<u>Electives</u>

24.0 Minimum Total Credits Required of all KHS Students

EARLY COLLEGE CREDIT (SEMO)

On KHS Campus:

Southeast Missouri State University and Three Rivers College offer a variety of Early College Credit classes. Some courses are offered on Kelly's Campus through certified Kelly Educators. Other courses are offered in an online format.

Guidelines: Junior and Senior students must have a GPA of 3.0 or higher to enroll in these classes or a GPA of 2.5 -2.9 with principal and counselor recommendation. Freshman and Sophomores may take classes with principal and counselor recommendations with a 3.0 or higher GPA if they have scored in the 90th percentile on the ACT.

Materials and Tuition: If textbooks are needed for the Southeast Missouri University course enrolled, students are responsible for renting and returning these items. Tuition is the responsibility of the student and their families. Three Rivers Dual credit students are responsible for returning their textbooks.

Credits Earned: Dual Credit and Dual Enrollment courses must be listed on the student's Kelly Schedule in order for the student to receive credit at the end of the semester.

Off KHS Campus:

Seniors will be allowed to enroll in courses at Southeast Missouri State University or Three Rivers College during their senior year if they meet admission requirements. Enrollment will be with the approval of the counselor, parents, and administration. Approved students will be dismissed from no more than 3 classes at KHS to enroll in 3 to 6 semester hours at SEMO (1 or 2 classes). They will be dismissed for: 2 hours from KHS if enrolled in 1 college course (3 units of college credit) or 3 hours for 2 college courses (6 hours of college credit). Two courses back to back can be difficult. Only seniors who have the maturity and the ability and who have outlined their graduation requirements with their counselors will be allowed to participate in the Early College Credit Program. During the semester of college enrollment, students must be enrolled in a minimum of 2.0 units of credit at KHS.

Guidelines: Students will be required to: provide their own transportation to/from SEMO, provide School Counselor with a copy of their SEMO class schedule, and complete the full semester of college classes once they are enrolled.

Attendance Guideline: On the days of the week when Kelly High School is not in session, students are strongly encouraged to attend college classes.

Credit Earned: At the end of each semester students should provide a copy of their college transcript to the Kelly High School Counselor to earn High School credit.

Summer Courses: Southeast Missouri State University and Three Rivers offer a variety of Early College Credit classes each summer. Beginning with the class of 2027 summer college classes will not be reflected on Kelly High School transcripts.

ACADEMIC AWARD LETTER REQUIREMENTS

All students who maintain a 3.5 average for the school year may be invited to attend an HONORS BANQUET held near the end of each school year (April) to recognize their academic success. The parents/guardians of eligible students will also be invited to attend this special banquet.

An award letter to be worn on school jackets will be awarded to students of Scott County R-IV who have qualified for this award by meeting the following guidelines of academic honor:

- Maintain a 3.5 grade point average on a four-point scale for **each** of the first three quarters of the current school year.
- Maintain membership on the Honor Roll for the first, second, and third quarters of the current school year.
- Students must maintain and display good school, community and student citizenship.
- Only one letter will be given during a student's high school career. Metals will be given for additional years.

HONOR ROLLS

Scott County R-IV Schools recognize students achieving high grades each quarter by releasing an "A Honor Roll" and a "B Honor Roll".

To qualify for the "A Honor Roll", a student must earn a Grade Point Average (GPA) of at least 3.667 with no grade lower than a "B."

To be eligible for the "B Honor Roll" a student must earn a GPA of at least 3.0 with no grade lower than a "C."

All classes count toward the calculation of both Honor Rolls.

COMMUNICATION ARTS

<u>Freshman</u>	<u>Sophomore</u>	<u>Junior</u>	<u>Senior</u>
Language IA	Language II	Language III	Language IV
Language I		American Literature	*Col. English I (EN100) #
		*Speech	*Col. English II (EN140) #
		*Journalism A & B	Col. Variety of Lit (LI256) #
		*Creative Writing	*#Intro to Teaching

*Semester Course **Bold – Weighted** #Teacher Recommendation

LANGUAGE I A		
Grade Level: 9 (required)		Credit: 1.0

Introduction to Language Arts I is designed to support students who need additional assistance in developing foundational language arts skills. This course focuses on enhancing reading comprehension, writing proficiency, and language usage. Through a variety of engaging activities, students will work on improving their vocabulary, grammar, and overall literacy skills. Students will receive interventions to help them develop their writing techniques through organizational techniques, use of evidence to support their ideas, and refine their writing through revision and feedback. This course will incorporate vocabulary development, grammar, and language mechanics, helping students to communicate clearly and effectively. Collaborative discussions and presentations will further enhance their speaking and listening abilities. The course aims to empower students to gain confidence in their language arts abilities and prepare them for success in Language Arts II.

LANGUAGE I		
Grade Level: 9 (required)		Credit: 1.0

Language Arts I is designed to enhance students' reading, writing, speaking, and listening skills through a diverse range of texts and genres. Students will engage in critical analysis of literature, including novels, short stories, poetry, and non-fiction, fostering an appreciation for various literary forms and themes. The course emphasizes the development of effective writing techniques, focusing on narrative, expository, and persuasive writing. Students will learn to organize their thoughts, use evidence to support their ideas, and refine their writing through revision and peer feedback. Language Arts I will incorporate vocabulary development, grammar, and language mechanics, helping students to communicate clearly and effectively. Collaborative discussions and presentations will further enhance their speaking and listening abilities.

LANGUAGE II		
Grade Level: 10 (required)	Prerequisite: Language I	Credit: 1.0

Language II is a continuance of Language I with emphasis on novels, biographies, autobiographies, dramatic plays, poetry, essays and short stories written by authors from around the world. Students also spend time developing their writing skills using the writing process. This course is designed to develop a well-rounded background and an appreciation for communication skills, reading, writing, and speaking. This is the last general course in language arts. Language at the next level is further divided into college bound/general

studies. This course will help develop mastery skills for their final M.A.P. objectives.

LANGUAGE III

Grade Level: 11

Prerequisite: Language II

Credit: 1.0

This course is a general study of all forms of American literature from early Native American literature through contemporary writings to help understand history through literature. It integrates literature, grammar, vocabulary, language and writing skills. Literacy terms are used to analyze short stories, biographies, autobiographies, non-fiction, novels, plays and poetry read from the literature book and original compositions. Emphasis will be placed on critical thinking and reading skills and writing techniques. Students will improve their grammar skills by daily study and use in compositions.

LANGUAGE IV

Grade Level: 12

Prerequisite: Completion of Language III

Credit: 1.0

Language IV is a continuation of the language arts skills developed in Language III with an emphasis on grammar, vocabulary, writing, and oral communication. Using contemporary novels, plays, short stories, autobiographies, biographies and media, language skills will be strengthened to prepare the student for college courses.

AMERICAN LITERATURE AND COMPOSITION I

Grade Level: 11

Prerequisite: At least an "A" in Language II
and/or Teacher Recommendation

Credit: 1.0

This course is a study of American literature from Native American through contemporary periods. This college preparatory class builds on previous communication arts skills, by extending knowledge of vocabulary and grammar, and improving writing skills. Students will concentrate their reading skills on short stories, novels, plays and poetry. Writing will focus on constructed responses to literature, reader response, personal/narrative, and persuasive essays. Skills will be reviewed for standardized tests such as the ACT. This course is strongly recommended for the college-bound student.

JOURNALISM A & B

Grade Level: 11, 12

Prerequisites: Successful completion of LAI & II

Credit: .5

An overall average of at least 85% in the previous ELA course.

Attendance of 92% the previous year.

This journalism course is designed to introduce students to the fundamental principles of journalism, including reporting, writing, editing, and ethical considerations in the field. Students will explore various forms of journalism, such as print, digital, and broadcast while developing critical thinking skills and a strong understanding of media literacy. Throughout the course, students will engage in hands-on activities, including researching, interviewing, and composing news articles, features, and opinion pieces. They will learn how to effectively communicate information and tell compelling stories that resonate with their audience. Emphasis will be placed on accuracy, fairness, and the importance of fact-checking in the journalistic process while creating a weekly newsletter for the high school.

As newsletters are published weekly, attendance is a major contributing factor to the overall success of the class.

SPEECH

Grade Level: 11, 12

Prerequisite: At least a “B” in Language II

Credit: 0.5

This upper-elective course explores oral communication as a vital process connecting students to themselves, their environment, and others. Students will engage in an in-depth study of preparing and delivering effective oral presentations. Through a series of speeches, students will hone their skills in organization, preparation, and delivery. Written work will be assessed for composition, and performances will be evaluated for clarity and impact. This is primarily a performance-based course designed to build confidence and competence in public speaking.

CREATIVE WRITING

Grade Level: 11, 12

Prerequisite: At least a “B” in Language II

Credit: 0.5

This upper-elective course invites college-bound students to explore their imagination and develop their unique voice through a variety of writing styles and genres. Students will engage in daily quick writes and maintain a grammar journal to strengthen foundational skills. The course includes units on fiction, nonfiction, and poetry, offering opportunities to read, analyze, and imitate great authors while creating original pieces of work. Projects include flash fiction, short stories, profile essays, and a poetry book. Through drafting, revising, and sharing their work, students will cultivate creativity, precision, and confidence as writers.

COLLEGE ENGLISH I (EN100)

Grade Level: 12

Prerequisite: American Literature, G.P.A. 3.0
& Teacher Recommendation

Credit: 0.5

This is an intensive writing course focusing on personal experience writing. Students must earn a passing score on entrance writing exams to receive college credit. Major essays are assigned, much independent work and self-discipline are required, and revision skills are stressed. Students will refine composition skills by practicing sophisticated forms of composition assignments: Reflection, Observation, Informative, and Evaluation/Analysis. Students will use peer groups as a basis for revision. Students may dual-enroll in Southeast Missouri State University’s EN-100 course. SEMO awards 3 hours of EN-100 (English Composition) credit to dual-enrollment students. Dual credit students will submit a two-essay portfolio to SEMO’s English Department. Other universities may also accept this class as composition or elective credit.

COLLEGE ENGLISH II (EN140)

Grade Level: 12

Prerequisite: College English I, G.P.A. 3.0
& Teacher Recommendation

Credit: 0.5

This writing intensive course builds on writing experience gained in English Composition. Objectives of the course include locating and gathering information, critical thinking, reasoning, and analyzing, summarizing and synthesizing information. Major Rhetorical Analysis, Researched Argument, Annotated Bibliography, and Proposal Argument essays are assigned. Advanced grammar and vocabulary skills are further developed. Students may dual-enroll in Southeast Missouri State University’s EN-140 course. SEMO awards 3

hours of EN-140 (Rhetoric and Critical Thinking) credit to dual enrollment students. Other universities may also accept this class as composition credit. Dual Credit students must submit a two-essay portfolio to SEMO's English Department to receive this credit

COLLEGE-VARIETY OF LITERATURE (LI256)

Grade Level: 12 Prerequisite: G.P.A. 3.0 & Teacher Recommendation Credit: 1.0

This SEMO college level course is a survey of literature in all its variety-short stories, novels, poems and drama. Emphasis on reading, analyzing, and writing about literature.

GROW YOUR OWN/INTRODUCTION TO TEACHING

Grade Level: 11,12

Credit: 1.0

Prerequisite: PY 120 Minimum Grade of D or CF 120 Minimum Grade of D or PY 222
Minimum Grade of D to earn ED280 SEMO credit

Semester 1 will consist of a high school level introduction to teaching elective course followed in semester 2 by the SEMO course ED280-Introduction to Education as a Profession.

MATHEMATICS

Freshman

Algebra 1A

Algebra 1

Geometry

Sophomore

Algebra 1B

Geometry

Algebra 2

Junior

Geometry

Algebra 2

Pre-Calculus#

Senior

Algebra 2

Pre-Calculus #

Trig*/Calc*

College Math*#

*Semester Courses

Bold – Weighted

#Teacher Recommendation

ALGEBRA I A

Grade Level: 9

Credit: 1.0

Foundations of Algebra I will reinforce the basic concepts of Algebra. It will stress practice and application in order to master algebraic concepts. This course will reinforce topics such as linear equations and inequalities, graphing linear functions, and absolute value fractions. **This class is the equivalent to the first half of Algebra I.**

ALGEBRA I B

Grade Level: 9, 10

Prerequisite: Algebra IA

Credit: 1.0

Foundations of Algebra 2 will continue to reinforce the basic concepts of Algebra. It will stress practice and application in order to master algebraic concepts. This course will reinforce topics such as properties of exponents and exponentials functions, systems of equations and inequalities, operations on polynomials, quadratic functions, and an introduction to statistics. **This class is the equivalent to the second half of Algebra I.**

ALGEBRA I

Grade Level: 9

Prerequisite: Score of at least an 85%
on the placement exam.

Credit: 1.0

Algebra I will reinforce the concepts associated with Algebra, including, but not limited to expressions, equations in one variable, relations and functions, linear and nonlinear functions, creating linear equations, linear inequalities, systems of linear equations and inequalities, exponents and roots, exponential functions, polynomials, quadratics, and statistics. This course will prepare students to enroll in Algebra II and/or Geometry.

GEOMETRY

Grade Level: 10, 11, 12

Prerequisite: Algebra IIB or Algebra I

Credit: 1.0

GEOMETRY (9)

Grade Level: 9

Prerequisite: Algebra I and Placement Test

Credit: 1.0

This course will help students perceive the rule of inductive and deductive reasoning in both mathematical and non-mathematical situations. Students will apply definitions and theorems of triangles, parallelograms, trapezoids, and circles to real-life situations.

ALGEBRAIC REASONING

Grade Level: 11, 12 Prerequisite: Algebra I, Foundations of Algebra I & 2 Credit: 1.0
and/or Geometry

This course moves beyond traditional computation to explore the practical applications of mathematics in everyday life, science, and various careers. Students will engage in active, hands-on learning to discover mathematical principles and build a deeper, more intuitive understanding of concepts. Key themes and topics include function sense, the algebra of functions, exponential and logarithmic functions, quadratic and higher order-polynomial functions, rational and radical functions, and an introduction to trigonometric functions. Students will be able to analyze and interpret data, understand basic probability, and make informed decisions using quantitative reasoning. All concepts are introduced within realistic situations (e.g., fuel economy, growth/decay). This class is ideal for students seeking to connect mathematical theory with practical application, build conceptual understanding, and develop essential problem-solving skills.

ALGEBRA II

Grade Level: 11, 12

Prerequisite: Algebra I and Geometry

Credit: 1.0

ALGEBRA II (10)

Grade Level: 10

Prerequisite: Geometry (9)

Credit: 1.0

Algebra II is an in-depth study of Algebra that will prepare students for Pre-Calculus, Trigonometry, and Calculus. It will reinforce and expand upon the topics included in Algebra I and will additionally cover polynomial functions, inverses and radical functions, logarithmic functions, rational functions, and inferential statistics.

PRECALCULUS

Grade Level: 11,12

Prerequisite: At least 'C' in Algebra II &
Teacher Recommendation

Credit: 1.0

Pre-Calculus will provide the student with preparation for the general college mathematics courses. The content of this course includes: polynomial equations, inequalities, functions, quadratic functions, properties of functions, relationship between equations and graphs, exponential and logarithmic functions. **This class is HIGHLY recommended for students planning to take MA116 (College Precalculus A).**

TRIGONOMETRY

Grade Level: 12

Prerequisite: At least a "B" in Pre-Calculus &
Teacher Recommendation

Credit: .5

This course will provide a good understanding of trigonometry in order to be successful in college-level math courses. Trigonometry can also be used as a modeling language for real-life problems in areas such as business, economics, biology, engineering, chemistry and physics. Students will be working with radian and degree measure, sine, cosine, and tangent functions, their inverses and graphs. The students will verify trig identities, solve trig equations, and work with the law of sines, cosines and vectors in a plane. **This class is HIGHLY recommended for students planning to take MA117.**

CALCULUS

Grade Level: 12

Prerequisite: At least a 'B' in Pre-Calculus &
Teacher Recommendation

Credit: .5

Calculus will provide preparation for college calculus. The students will be working in depth with fundamental concepts of limits, derivatives, and integrals. They will be able to manipulate and apply these concepts to real world scenarios and problem solve with these principles of mathematics.

SCIENCE

Freshman

Physical Science

Sophomore

Chemistry
Earth Science

Junior

Biology

Senior

Anatomy & Physiology
AP Biology

Bold - Weighted

#Teacher Recommendation

PHYSICAL SCIENCE

Grade Level: 9 (required)

Credit: 1.0

An introductory Physics course covering matter, motion, forces, energy, sound, light, electricity and magnetism. This course is activity/lab based and offers numerous opportunities for application of the concepts learned. Students will integrate algebra skills into science and memorize basic formulas. Also, science reasoning skills will be emphasized to help prepare for college entrance exams.

EARTH SCIENCE

Grade Level: 10

Prerequisite: Physical Science

Credit: 1.0

This is an introductory course covering general Earth Science topics such as Earth's place in the universe, the stars and sun, history of planet Earth, the role of Earth's systems, and how human activity affects Earth. This course will offer multiple opportunities for application of the concepts learned and science reasoning skills will be emphasized.

CHEMISTRY

Grade Level: 10

Prerequisite: Physical Science and Algebra I

Credit: 1.0

This course is designed to reinforce and expand the students' knowledge and understanding of chemical principles. It will use both lecture and laboratory activities to study the diversity and interactions of matter, energy, the periodic table, and chemical formulas and equations.

BIOLOGY

Grade Level: 11 (required)

Prerequisite: 2 passing science credits

Credit: 1.0

Biology is an instructional program to improve the students' understanding of science as it relates to the continuation of life on Earth. Biology will examine all aspects of life: the process of scientific inquiry (including conducting and reporting experiments), structure and function of living things, relationships to the environment, and evolutionary history.

ANATOMY & PHYSIOLOGY

Grade Level: 12

Prerequisite: Biology, Chemistry &
Teacher Recommendation

Credit: 1.0

This course studies how the human body maintains life by studying two major areas of medical science, anatomy and physiology. Anatomy deals with the structure, or morphology of body parts - what are their forms and how are they arranged? Physiology considers the functions of these body parts - what do they do and how do they work? Together, these two studies provide a solid foundation upon which to build an understanding of how our bodies work as living organisms. In order to learn about human anatomy and physiology, preserved mammals will be dissected. All students will be required to participate. This class is weighted.

AP BIOLOGY

Grade Level: 12

Prerequisite: Biology, Chemistry &
Teacher Recommendation

Credit: 1.0

AP Biology is part of a nationwide program based on the belief that many students are ready for college work while still in high school, and their abilities should be recognized, encouraged, and rewarded. As a college level course, the amount of material covered as well as the complexity of the topics will be high. The four big ideas covered will be evolution, energetics, information storage and transmission, and systems interactions. This course will focus on inquiry-based laboratory investigations.

SOCIAL STUDIES

Freshman

American History

Sophomore

World History

Junior/Senior

American Gov't

AP US History

Bold - Weighted

AMERICAN HISTORY

Grade Level: 9 (required)

Credit: 1.0

The course examines the major events in American history from the Civil War to the present day. The course will concentrate on an in-depth coverage of the twentieth century and students will be required to pass the Missouri Constitution to fulfill graduation requirements.

WORLD HISTORY

Grade Level: 10 (required)

Credit: 1.0

This course is designed to give students an understanding of past and present world events, so students will become aware of the world around them and the ways it affects their lives. This course will also prepare students to locate various places on the map and globe, how to make economic decisions, and provide an understanding of the national, state, and local branches of government.

AMERICAN GOVERNMENT

Grade Level: 11, 12 (required)

Credit: 1.0

This is a year-long course required for graduation that meets the state requirement for the study of government and the U.S. Constitution. Students will study the U.S. Constitution with emphasis on the history of the Constitution, the Bill of Rights, and the three branches of government – executive, judicial, and legislative.

AP UNITED STATES HISTORY

Grade Level: 11, 12

Credit: 1.0

In AP U.S. History, students investigate significant events, individuals, developments, and processes from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work; exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.

AGRICULTURE

Freshman

Ag Science I

Sophomore

Ag Science I

Ag Science II

*Animal Science

*Adv. Animal Science

Junior and Senior

*Greenhouse-Floriculture

*Greenhouse-Mgt

Ag Construction

*Conservation

* Semester Course

AGRICULTURAL SCIENCE I

Grade Level: 9, 10, 11, 12

Credit: 1.0

A course designed for instruction in animal science, agricultural mechanics, career exploration, leadership and personal development, and supervised agricultural experience. Units may include agribusiness, natural resources, and food science.(CD 016710, CIP 01.0000). Students in this course are strongly encouraged to join FFA.

AGRICULTURAL SCIENCE II

Grade Level: 10, 11, 12

Prerequisite: Agricultural Science I

Credit: 1.0

A course designed for instruction in plant and crop science, soils,entomology, horticulture, and forestry, and additional instruction in agricultural mechanics,career development, leadership, and supervised agricultural experience. (CD 016760, CIP01.0000) Students in this course are strongly encouraged to join FFA.

ANIMAL SCIENCE

Grade Level: 10

Prerequisite: None

Credit: .5

This course is designed to introduce basic animal science concepts such as, terminology, anatomy, husbandry, reproduction and operations. Students in this course are strongly encouraged to join FFA.

ADVANCED ANIMAL SCIENCE

Grade Level: 10, 11, 12

Prerequisite: Introduction to Animal Science

Credit: .5

Advanced study in animal production, management, marketing, nutrition, breeding, production records, selection, animal health, waste management, and biotechnology may be included in this course. (CD 016711, CIP 01.0901) Students in this course are strongly encouraged to join FFA.

GREENHOUSE-FLORICULTURE-Sem 1

Grade Level: 11, 12

Prerequisite: Ag. Sci. I

Credit: .5

This course develops a basic understanding of greenhouse techniques. This course includes the production, arrangement and retailing of flowers. It Includes fresh, silk, or dried flowers to be used in the design of corsages, wedding bouquets, table flower arrangements, and seasonal holiday decorations. (CD 016763, CIP 01.0601) Students in this course are strongly encouraged to join FFA. Students in this course are strongly encouraged to join FFA.

GREENHOUSE- OPERATION AND MANAGEMENT-Sem 2

Grade Level: 11, 12

Prerequisite: Ag. Sci. I

Credit: .5

This course develops a basic understanding of greenhouse techniques. The production of greenhouse crops will be used to demonstrate procedures such as plants started from cuttings, seeds, and layering. Students will manage their own crop as a greenhouse project, as well as plan for the spring greenhouse sale. (CD 016765, CIP 01.0601) Students in this course are strongly encouraged to join FFA.

AGRICULTURAL CONSTRUCTION

Grade Level: 11, 12

Credit: 1.0

Instruction on proper tool usage and plan reading will be taught in the class. This course will also include instruction in arc welding, MIG welding, and oxy-acetylene welding and cutting. This course utilizes welding in the development and construction of major metal and wood shop projects. Students in this course are strongly encouraged to join FFA.

ENVIRONMENT AND CONSERVATION

Grade Level: 10, 11, 12

Credit: .5

An Outdoor, hands-on learning environment focusing on ecology, wildlife, and local ecosystems. This is a student-led, curiosity-driven class where we move beyond traditional walls to connect with the outside world. Most classes will be outside. Proper outdoor attire is required.

BUSINESS

Freshman

*Computer App I/II

JAG

Media 1

Sophomore

*Personal Finance

Media 2

Computer Science

* Entrepreneurship

* Business Law

Junior

Accounting I

Intro to Graphic Arts

#Mass Media

*A+ Tutoring

Senior

Accounting II

*CEPS

*SBE

*Semester Courses

Bold - Weighted

#Teacher Recommendation

COMPUTER APPLICATIONS I

Grade Level: 9, 10, 11, 12

Credit: 0.5

Computer Applications is a one-semester course designed to introduce students to basic computer application software: Microsoft Word and Excel. Students will learn to create and format resumes, cover letters, flyers, budgets, charts, research papers, and mail merges. The impact of computers on today's society and ethical issues are presented.

COMPUTER APPLICATIONS II

Grade Level: 9, 10, 11, 12 Prerequisite: Computer App I

Credit: 0.5

Computer Applications II is a one-semester course designed to introduce students to more advanced computer application software: Microsoft Word, Excel, PowerPoint and Access. Students will learn to create and format a document with a title page, lists, tables and a watermark. Students will also learn to use a template to create a resume and learn to generate form letters, mailing labels and a directory. This course also provides an introduction to databases and presentation software.

MEDIA I: INTRODUCTION TO MULTIMEDIA

Grade Level: 9, 10, 11, 12

Credit: 1.0

Media 1 introduces students to the foundational principles of multimedia communication, including text, graphics, audio and video. Students learn basic design concepts, responsible media practices and essential production skills using beginner-friendly tools such as PowerPoint, Canva, and entry-level video and audio software. As part of the course, students participate in producing a weekly school news podcast and assist with basic live streaming tasks for school events. Emphasis is placed on collaboration, creativity, and building confidence with media technologies. This course prepares students for more advanced work in Media 2.

MEDIA 2: ADVANCED MULTIMEDIA PRODUCTION

Grade Level: 10, 11, 12 Prerequisite: Media 1 or Instructor Approval Credit: 1.0

Media 2 expands upon the skills learned in Media 1, guiding students into advanced multimedia production using professional-level software such as Adobe Premiere Pro, Photoshop, Illustrator, and Audition. Students develop deeper expertise in areas including photography, video editing, animation, audio engineering and graphic design. A major component of the course is the creation, management and production of the school's weekly news podcast and the planning and execution of livestreamed school events. Students take on real-world production roles such as host, producer, camera operator, and editor, gaining hands-on experience in broadcast-quality workflows. By the end of the course, students will produce a refined multimedia portfolio showcasing video projects, digital artwork, podcast episodes, and livestream content suitable for college or career pathways in media.

COMPUTER SCIENCE

Grade Level: 10, 11, 12 Prerequisite: C+ or better in Algebra 1 or
Algebra 1B

Credit: 1.0

This is a full-year, rigorous, entry-level course that introduces students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy, security, and the societal impacts of computing.

INTRODUCTION TO GRAPHIC ARTS

Grade Level: 11, 12

Credit: 1.0

This course introduces students to the field of graphic design. Students learn and apply fundamentals of various software applications (such as Illustrator and Photoshop), image editing, drawing and graphic projects. Practical projects and assignments allow students to apply their knowledge and develop their skills by creating basic graphic design materials such as school t-shirts.

ACCOUNTING I

Grade Level: 11, 12

Credit: 1.0

Accounting I is a one-year, beginning accounting class which completes the accounting cycle for a sole proprietorship, partnership, and corporation. Instruction in this class plays an important role for students who are preparing for accounting careers after graduation either in employment or higher level of education.

Accounting instruction is a crucial component of academic backgrounds for students who will pursue entrepreneurial ventures and small business ownership. All students, regardless of the profession they choose, can benefit from accounting instruction since it is an integral part of every business institution and organization. Students, after becoming familiar with the accounting cycle, will gain hands-on experience with automated accounting.

ACCOUNTING II

Grade Level: 12

Prerequisite: Accounting I

Credit: 1.0

Accounting II is an advanced accounting class that develops the concepts and theories studied in the first-year class. Students study departmentalized, cost and management accounting for both manufacturing and merchandising business. Emphasis will be given to completing accounting transactions, forms, and statements on the computer. This course will prepare a student for an entry level accounting position and provide a strong foundation for accounting or business study in college.

BUSINESS & PERSONAL LAW

Grade Level 10, 11, 12

Credit .5

Business & Personal Law is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers, and employees through a mixture of personal, business, and consumer law. The content includes the basic characteristics of the American system of free enterprise, rights of private property, basic elements of contracts, employer-employee relations, landlords and tenants, individual rights, wills and estates, family and juvenile justice law, and community property.

ENTREPRENEURSHIP

Grade Level 10, 11, 12

Credit .5

Entrepreneurship will teach the skills and approaches to successfully evaluate and create new business opportunities. Emphasis is placed on projects and activity based learning.

Students will engage in team building and collaborative activities, with the intent of increasing career and college readiness. Students will explore the complex tasks, expectations, and restrictions of individuals engaged in entrepreneurial activities. Students will progress through different methods for developing business ideas, the processes of starting a business, the acquisition of resources, and the key components of a business plan.

PERSONAL FINANCE

Grade Level: 10 (required)

Credit: .5

This course is designed for juniors as they approach adulthood and independence. The course will focus on personal finance and consumer behavior as students learn to make wise decisions with their personal and economic resources to meet their needs, wants and goals. Topics include goal setting, career planning, wise use of credit, automobile purchasing (financing and insurance), choosing housing, buying food and clothing, risk management and working with financial tools.

MASS MEDIA/YEARBOOK

Grade Level: 11, 12

Prerequisite: Teacher Recommendation

Credit: 1.0

Mass Media is a course available for juniors and seniors who are interested in journalistic writing and production. It is an active learning situation in the area of advertising, feature writing, photography, yearbook layout and desktop publishing.

CAREER EDUCATION PREPARATION SKILLS (CEPS)

Grade Level: 12

Credit: 1.0

Career Education Preparation Skills is a one-year course designed for employment and career readiness. Students will create a resume and cover letter, focus on job interviewing skills and prepare a portfolio used for employment opportunities. Students will also explore various other careers of interest. Students will receive experience in filling out online forms such as employment and credit applications. Students will create a budget for living at home and independently, along with how to shop and perform business transactions safely using the internet.

SUPERVISED BUSINESS EDUCATION (SBE)

Grade Level: 12

Credit: 1.0-3.0

This course is designed to be a school-to-work program. Students will be enrolled in the CEPS course during one class period on campus, and dismissed for work in the afternoon. Topics covered will include: preparing for work, working on the job, career planning, skills needed for success on the job, managing money, and independent living. To be accepted into the program, students must submit two letters to the high school principal, one from the student and one from the parent. Letters must be submitted by August 1st for 1st semester and December 1st for 2nd semester. Failure to maintain employment will result in loss of credit and immediate dismissal from the program. Students should maintain an average of 10 to 19 hours per week to receive a half credit per semester and 20+ hours per week to receive one credit per semester. Students will also receive credit for the Career Education Preparation Skills course.

JOBS FOR AMERICA'S GRADUATES (JAG)

Grade Level: 9, 10, 11, 12

Credit: 1.0

The JAG (Jobs for America's Graduates) class is part of the national JAG program and is a career readiness elective focused on helping students overcome barriers, graduate, and succeed in careers or college through hands-on learning, mentorship, and skills development, covering core competencies like leadership, finance, employability, and post-graduation planning. Students gain practical workforce skills, build resumes, practice interviews, develop soft skills, and connect with employers via project-based learning and their Career Association.

FAMILY AND CONSUMER SCIENCE

Freshman

*Food/Nutrition

*Home Design

*CF leadership

*Child Development

*Hospitality

*Family Health

Sophomore

*Food/Nutrition

*Home Design

*CF Leadership

*Child Development

*Hospitality

*Family Health

Junior

*Food/Nutrition

*Home Design

*CF Leadership

*Child Development

*Hospitality

*Family Health

Senior

*Food/Nutrition

*Home Design

*CF Leadership

*Child Development

*Hospitality

*Family Health

*Semester Courses

FOOD/NUTRITION

Grade Level: 9, 10, 11, 12

Credit: .5

This class is designed to develop skills in planning and preparing meals that are appetizing, attractive, palatable, nutritious and suited to individual and family needs. The criteria needed for making effective choices in the food market as a means of contributing to the health and well being of its family is addressed. Also covered are the various methods of meal service, cultural influences on foods in America, and foods in different parts of the World.

HOME DESIGN

Grade Level: 9, 10, 11, 12

Credit: .5

Housing and Home Management is a course offered to students grades 10-12. The course is recommended to students who are interested in a housing-related career and to those who like more understanding of the physical, psychological and social influences pertaining to complex housing decisions required for creating a desirable living environment. The course includes instruction in the human and environmental factors influencing the form and use of housing, the varied types of housing, costs, exterior and interior design, home furnishings and equipment, and the selection, use, and care of available resources for achieving improved living space to meet individual and family needs.

FAMILY HEALTH

Grade Level: 9, 10, 11, 12

Credit: .5

This course meets the needs of today's students and focuses on the promotion of personal and family health throughout the lifespan. It includes concepts in communicable diseases, family relations, substance abuse, nutrition, sports nutrition, fitness and other concerns pertaining to the development of personal and family health. Career opportunities in health-related fields are investigated. Family/Individual standards are aligned to the National Health Education Standards. Meets 0.5 health credit graduation requirement. It is a semester class and includes the CPR education that is required for high school graduation.

CHILD DEVELOPMENT

Grade Level: 9, 10, 11, 12

Credit: .5

Child Development I is a one semester elective course for students in grades 10-12. The course is recommended for students who are interested in post high school child care related fields. This course prepares individuals to identify and understand family life cycle, prenatal development, birth, effective discipline and child safety. Activities will be planned and presented to preschool aged children.

CAREER & FAMILY LEADERSHIP (CF LEADERSHIP)

Grade Level: 9, 10, 11, 12

Credit: .5

This comprehensive instructional program describes the study of family and consumer sciences including how individuals develop and function in family, work and community settings and how they relate to their physical, social, emotional and intellectual environment. Career exploration and its impact on families are key components.

HOSPITALITY

Grade Level: 9, 10, 11, 12

Credit: .5

This course introduces students to one of the world's largest and fastest growing industries-the hospitality and tourism industry. Students are introduced to the four career pathways, including Travel and Tourism, Lodging, Restaurant and Food/Beverage Services, and Recreation, Amusements, and Attractions. Instruction emphasizes content for event, meeting, and convention planning also.

Objective/Categories:

- A. Assume leadership roles as responsible family members and citizens
- B. Hospitality, Tourism, and Travel
- C. Customer Service
- D. Lodging
- E. Restaurant and Food/Beverage Service
- F. Meeting, Convention, and Event Planning
- G. Recreation, Amusement, and Attractions
- H. Careers in Hospitality and Tourism

A+ TUTORING

Grade Level: 11, 12 Prerequisite: A+ Agreement, 2.5+ GPA, 95% Credit: .5
Accumulative Attendance or attainable cumulative attendance rate with previous semester & Good Citizenship

This course is designed to help students perform the 50 hours of tutoring needed for the A+ Scholarship. Students will work with other students within the Scott County R-IV School District to provide individual instruction. Students will learn improved study skills, responsibilities, and the ability to work with others. To be eligible to participate in this course, students must have an A+ agreement on file, a GPA of 2.5 or higher, maintained at least a 95% attendance record, and a record of good citizenship with the avoidance of unlawful use of drugs and alcohol

PHYSICAL EDUCATION/HEALTH

Freshman

*Physical Education

*Weight Training

Sophomore

*Physical Education

*Weight Training

*Health

Junior

*Physical Education

*Weight Training

Senior

*Physical Education

*Weight Training

*Semester Courses

PHYSICAL EDUCATION

Grade Level: 9, 10, 11, 12 (required)

Credit: 1.0

Our high school physical education and health program reinforces fundamental movement tasks through a variety of activities offered as well as helping students evaluate their health attitudes, practices, interests, and knowledge. Students will deal with specific health related issues such as first aid, safety, nutrition, and drug and alcohol abuse. Students will also continue to play by rules and use terminology they learned in previous physical education classes. There is a continued emphasis on safety and good sportsmanship. All students in high school should be given tests of physical fitness to determine their own personal level and should be familiar with their own component, i.e. weight and height. A variety of sports and activities are continuing to be developed in high school. Both skill and written tests should be administered in high school.

FITNESS AND WELLNESS (PE)

Grade Level: 9, 10, 11, 12

Credit: 1.0

This course is an alternative to the standard PE class. Our high school physical education and health program reinforces fundamental movement tasks through a variety of activities offered as well as helping students evaluate their health attitudes, practices, interests, and knowledge. Students will deal with specific health related issues such as first aid, safety, nutrition, and drug and alcohol abuse. We will learn about fitness, how to live a healthy lifestyle, and wellness concepts that prepare you for adulthood. The activities in this class are more individual in nature; not the large group games that are in the standard PE class.

WEIGHT TRAINING

Grade Level: 9, 10, 11, 12 Prerequisite: "A" or better in PE, Credit: 1.0
Be part of a sports team or have coach approval.

Students will be put in individual programs in class. They will work with free weights and machines to carry out the responsibilities of the program. Students will be expected to complete lifts such as power cleans, deadlifts, bench press, box squats and parallel squats. The program also includes a cardiovascular workout. It will give the student the opportunity to achieve their goals. Students whose doctors limit them from strenuous exercise or have back problems should reconsider enrolling in this course. Must participate in a sport or have a letter from a coach to enroll.

FITNESS AND WEIGHT TRAINING (FOR FEMALES)

Grade Level: 9, 10, 11, 12 Credit: 1.0

Description: This course is for students interested in achieving a higher level of strength and physical fitness. Class will consist of weight training, aerobic workouts, walking, running, kickboxing, yoga, pilates, stability, resistance bands, jump rope, and other daily conditioning programs, based on teacher discretion and available facilities.

HEALTH

Grade Level: 10 (required) Credit: .5

This required course is designed to instill the knowledge and skills needed to make responsible health-related decisions, and help students learn to use available resources to prevent and manage health problems. It is a semester class and includes the CPR education that is required for high school graduation.

FOREIGN LANGUAGE

Freshman

Spanish I

Sophomore

Spanish I

Spanish II

Junior

Spanish I

Spanish II

Spanish III

Senior

Spanish I

Spanish II

Spanish III/IV

Bold - Weighted

SPANISH I

Grade Level: 9, 10, 11, 12 Prerequisite: "C" or better in Lang. Arts. Credit: 1.0

With the completion of one year of Spanish, the student should attain a minimum level of proficiency in the four skills of listening, speaking, reading, and writing concerning everyday situations presented within the context of the contemporary Spanish-speaking world and its culture.

SPANISH II

Grade Level: 10, 11, 12 Prerequisite: "C+" or better in Spanish I

Credit: 1.0

With the completion of two years of Spanish, the student should attain the novice level of proficiency in the four skills of listening, speaking, reading, and writing concerning every day situations presented within the context of the contemporary Spanish-speaking world and its culture.

SPANISH III/IV

Grade Level: 11, 12

Prerequisite: "A" in Spanish I & II

Credit: 1.0

Spanish III/Spanish IV are Independent study only. Spanish Teacher Recommendation, and approval from the Counselor and Principal are required to enroll. Students who have interest in continuing Spanish past the second year, but do not enroll in Spanish III or IV may want to consider Cadet Teaching in Spanish I and Spanish II instead.

MUSIC

Freshman

*Marching Band

*Concert Band

*Symphonic Band

*Jazz Band

Choir

*Facts of Instruments

*Composers

Sophomore

*Marching Band

*Concert Band

*Symphonic Band

*Jazz Band

Choir

*Facts of Instruments

*Composers

Junior

*Marching Band

*Concert Band

*Symphonic Band

*Jazz Band

Choir

*Facts of Instruments

*Composers

Senior

*Marching Band

*Concert Band

*Symphonic Band

*Jazz Band

Choir

*Facts of Instruments

*Composers

*Semester Courses

MARCHING BAND (Fall Semester)

Grade Level: 9, 10, 11, 12

Prerequisites: Beginning Band/Middle School Band class

Credit: .5

This class will serve as a performance ensemble through parades, field shows, contests, festivals, and concerts. Students will gain knowledge of the different techniques and musical styles associated with marching band while developing group cooperation skills and strengthening self-esteem. Marching Band will participate in several scheduled events throughout the semester. Any student chosen to participate on the Auxiliary Squads must also register to take the course.

CONCERT BAND (Fall Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: Permission from Director.

Credit: .5

This class will serve as an opportunity for all high school students to learn an instrument and play in a band. The type of music that this ensemble plays will be based on the instrumentation and the experience of the students in the class. All band students must be in marching band to participate in this class. Any student needs to get permission from the band director.

SYMPHONIC BAND (Spring Semester)

Grade Level: 9, 10, 11, 12 Prerequisite: Beginning Band/Middle School Band class.

Credit: .5

This class will serve as a performance ensemble through the avenue of concerts and the MSHSAA State Festival. Students will gain knowledge of various musical styles and the techniques required to perform each while developing group cooperation skills and strengthening self-esteem. Students will also have the opportunity to participate in the MSHSAA District Solo and Ensembles competition and possibly move on to the state level.

JAZZ BAND (Spring Semester)

Grade Level: 9, 10, 11, 12 Prerequisite: Permission from Director,
Possible Auditions based on interest.

Credit: .5

This class offers each student the opportunity to explore jazz through playing opportunities that consist of concerts, festivals, and contests. Students will also be required to be a part of the fundraiser Night of Jazz, which will serve as the main performance of the 4th quarter. Students need to have instrumental skills associated with traditional jazz bands (saxophone, trombone/euphonium, trumpet, guitar, piano, electric bass, and drum set). See the band director for details and questions. Auditions may be required for specific instrumental assignments

HIGH SCHOOL CHOIR

Grade Level: 9, 10, 11, 12 Prerequisite: Possible auditions
Based on interest

Credit: 1.0

This class offers students the opportunity to gain knowledge of different styles of music while learning to sing and express themselves through vocal performance. Choir will also help each student develop group cooperation skills and strengthen their self-esteem. Entry into choir is dependent on permission from the director granted through an audition. Choir will perform in each semester.
the genre of music.

FACTS OF INSTRUMENTS (Fall Semester)

Grade Level: 9, 10, 11, 12 Prerequisite: None

Credit: .5

This class will offer students the opportunity to learn the origin of all the different instruments in concert band, rock band, and orchestras. It will teach you how the instruments are categorized. This class will give students the opportunity to see and play some of the instruments that are discussed. Students will also get the opportunity to use their imagination to create their own instrument.

COMPOSERS (Spring Semester)		
Grade Level: 9, 10, 11, 12	Prerequisite: None	Credit: .5

Students will dig into the lives of many famous composers. What inspired musicians to write music in the 1400's? What inspires songwriters today? The students will learn about the lives of composers from as early as 1200 and as current as today. Let's discuss who wrote your favorite song and their inspiration behind it.

ART

<u>Freshman</u>	<u>Sophomore</u>	<u>Junior</u>	<u>Senior</u>
Art I	Art I	Art I	Art I
	Art II	Art II	Art II
		Art III	Art III
			Art IV

*Col. Perspectives in Art *Col. Perspectives in Art

*Semester Course

Bold- Weighted Course

ART I		
Grade Level: 9, 10, 11, 12		Credit: 1.0

Art I serves as an introductory course in the visual arts, designed to cultivate students' creative problem-solving abilities and enhance their appreciation for art. Students will engage with various materials throughout the course while exploring various artistic disciplines.

The curriculum is structured around monthly units focusing on specific types of art, including but not limited to:

- Bookmaking
- Drawing
- Painting
- Collage/Mixed Media
- Fibers
- Ceramics
- Printmaking
- Sculpture

As a culminating activity, students in Art I must submit three works created during the year for inclusion in the annual Art Show. This experience showcases their artistic development and fosters a sense of community and celebration of creativity.

ART II		
Grade Level: 10, 11, 12	Prerequisite: Art I	Credit: 1.0

Art II is designed as an intermediate art class where students will cultivate creative problem-solving skills and deepen their appreciation for diverse art forms. The curriculum

emphasizes the significance and application of strong composition in artistic endeavors.

The course is structured around monthly units that explore various two-dimensional and three-dimensional art disciplines, including:

- Bookmaking
- Drawing or Sculpture
- Painting or Fibers
- Ceramics or Collage
- Printmaking or Papier-Mâché
- Sculpture or Mixed Media

During Fine Arts Week, Art II students must submit three pieces of artwork for participation in the end-of-the-year Art Show.

ART III		
Grade Level: 11, 12	Prerequisite: Art I, II & Teacher Approval	Credit: 1.0

Art III is an advanced art class designed for students to refine their creative problem-solving abilities and cultivate a deeper appreciation for diverse art forms. Throughout this course, students will leverage their strengths and interests to create artwork of their choosing, focusing on developing highly effective compositions.

The curriculum is organized into monthly units that investigate a variety of two-dimensional and three-dimensional artistic options, including:

- Bookmaking
- Drawing or Wire Sculpture
- Painting or Fibers
- Ceramics or Collage
- Printmaking or Plaster Sculpture
- Sculpture or Mixed Media

As a key component of the course, Art III students must submit three works of art created during the year for inclusion in the end-of-year Art Show.

ART IV		
Grade Level: 12	Prerequisite: Art I, II, III & Teacher Approval	Credit: 1.0

Art IV is an advanced guided independent art course designed to cultivate students' creative problem-solving abilities and deepen their appreciation for diverse art forms. Throughout the course, students will leverage their strengths and interests to produce original artworks. Students enrolled in Art IV will undertake the creation of a series of works in the second semester. These series pieces will have a common theme of choice. Additionally, it is a requirement for Art IV students to submit their series collection for inclusion in the annual end-of-year art exhibition.

COL. PERSPECTIVES IN ART (AR112)		
Grade Level: 11, 12	Prerequisite:	Credit: .5

Perspectives in Art (AR112) explores how contemporary and historical art enhances the human experience and shapes our understanding of the world. Through the study of diverse art forms, students examine how artists reflect, challenge, and influence cultural, social, and historical contexts. The course integrates hands-on, active-learning experiences, such as art-making activities, gallery or site-based observations, collaborative projects, and visual analysis exercises, that connect theory to practice. The course emphasizes critical thinking and discussion to deepen appreciation of artistic expression across time and place. By the end of the course, students gain a broader understanding of art's role in enriching human life and communicating shared perspectives.

Kelly High School Flex Contract

For Senior Students

The School Flex Program (Section 160.539 RSMo) affords schools the opportunity to offer an alternative delivery system for students in grades 11 and 12, who have been identified by their High School Principal, parents, or guardians, as potentially benefiting from an alternative delivery system in order to pursue a timely graduation.

General State Guidelines:

1. The student must attend school for at least two instructional hours per day and earn credit in classes required for graduation. The student is responsible for his/her transportation.
2. The student must maintain a 95% attendance rate
3. The student must avoid suspension or expulsion
4. **The student must provide regular evidence of enrollment in college or a career technical program, employment (minimum 10 hours/week), or participation in an internship or volunteer program. Evidence may include such things as grades, payroll stubs, work log with signature, etc.**
5. The student will be required to complete all state requirements (ex: EOC exams)
6. The student must work collaboratively with the school counselor on the development and implementation of a written Individual Career and Academic Plan (ICAP). The student and counselor, in consultation with the Principal and parent/guardians, will conduct regular reviews of the ICAP and student progress.
7. If the student is involved in MSHSAA activities, the student/parent should consult with the athletic director to ensure eligibility.
8. The student may be required to complete quarterly assignments (ex: book study that includes questions/discussion) at the discretion of the school counselor and/or Principal. For example, this may occur if a student loses employment for a period of time.
9. The student may participate in the spring graduation ceremony with his/her cohort, and must declare their intentions by the beginning of their senior year. Those who choose to participate must complete ordering and payment for cap and gown before the end of the seventh semester, and attend mandatory graduation practice prior to the ceremony. Those who choose not to participate in the graduation ceremony will receive their diploma after the ceremony.
10. The student understands that participation in the school flex program may be reviewed at any time by a committee that includes the Principal, Counselor, and at least one teacher. Student attendance, behavior, and classroom performance should reflect that of a student prepared for post-secondary success.
11. Students may earn .5 credit for 10-20 hours of work per semester. Students may earn 1 credit for 20 or more hours of work per semester.
12. Students must be enrolled in 3 credit hours (College/Technical Training) to use FLEX for up to two class periods.
13. A meeting will be required with the Flex Coordinator at the start of the school year
14. Current pay stubs, course enrollment and progress reports and/or proof of employment (letter of verification) must be submitted with the student application and at the start of each participating semester

***Applications will be required and participants will be selected based on the above criteria**

***No late applications will be accepted. Students are not eligible for the flex program after the 1st day of the semester.**

The Guidelines and Policies outlined for the Flex Programming are subject to change as deemed appropriate for placement and participation

CAPE GIRARDEAU CAREER & TECHNOLOGY CENTER

All Courses are Elective Credit

Career Path: Arts and Communications; Business, Management and Technology; Health Services; Human Services; Industrial and Engineering Technology; Natural Resources

In order to be eligible to enroll in a three hour course at the CTC, students must complete an application process, including signatures from their parent/guardian and school counselor. To be considered for acceptance to the CTC, students must have both good attendance and discipline history with their residing school district. Due to the number of students who request enrollment at CTC, students with more than ten absences/tardies or two discipline referrals may be unable to attend. Students must also provide proof of insurance or purchase it for a small fee. All seniors that attend a three hour block at the CTC are automatically enrolled in Embedded Language Arts; upon completion of a career portfolio, passing their career program, and maintaining a 70% or higher in ELA, students will earn one full Language Arts credit which will be transcribed at their home school.

Mineral Area College (MAC) – Articulated Credit

Students who enter articulated career and technical programs will have the opportunity to earn from 3 to 36 semester hours of college credit through Mineral Area College of Park Hills, MO, while earning high school graduation credits. College hours may apply toward an Associate of Applied Science degree (AAS). This is an articulated collaborative program through Mineral Area College (MAC) that allows qualifying juniors and seniors a great opportunity to get a head start on their college education while still in high school.

Students enrolled in an articulation program at CTC will earn the technical portion of the degree while in high school and may complete the general education portion of the degree upon graduation. The general education courses may be completed at MAC's campus in Park Hills or students may choose to take the courses online with MAC. The credit will be issued to any student who chooses to pursue an Associate of Applied Science degree either on the MAC campus or via online coursework. Once students have completed 15 hours of non-developmental classes, the credit earned at CTC will be issued to them. Articulated credit is only available for four years from the date of high school graduation per Mineral Area College.

Programs with articulation agreements include: Automotive Collision, Early Childhood Education, Computer Networking and Security, Digital Media Production, Electrical Trades, and Graphic Design. As of the 24/25 academic year, MAC has put a **hold** on three courses due to restructuring of curriculum. CTC is hopeful that these three courses will return with articulation agreements-Auto Technology, Construction Technology, HVAC/R.

The following high school programs are offered at the Cape Girardeau Career and Technology Center:

Course Title: Auto Collision I

2 semesters – 3 periods

Grades Eligible: 11, 12

Prerequisites: None

Description: This course provides training in auto collision repair; straightening sheet metal with hand and power tools, dent filling with plastics, sanding and masking techniques, and windshield repair/replacement. Basic instruction in mig welding is given for panel repair. Spray painting is primarily with a base coat/clear coat paint system. Students complete projects on late model vehicles. Written competencies will require 3 days in the classroom per week for the first semester.

CREDIT: 3.0

Mineral Area College (MAC) – Articulated Credit

Course Title: Auto Collision II

2 semesters – 3 periods

Grades Eligible: 12

Prerequisites: Auto Collision I and Instructor Approval

Description: This course reinforces competencies learned in Auto Collision Technology 1. In addition to the technology previously acquired, this course provides advanced training in all phases of the occupation including air conditioning, estimation, spraying urethane finishes of all types, color blending, and paint matching. Students will complete projects on a variety of vehicles.

CREDIT: 3.0

Mineral Area College (MAC) – Articulated Credit

Course Title: Automotive Technology I**CREDIT: 3.0****2 semesters – 3 periods****Grades Eligible: 11, 12****Prerequisites: Valid driver's license and a good driving record**

Description: This is an introduction to shop safety, automotive maintenance, power plants, electrical, braking, steering, suspension system, maintenance and light repair, and SkillsUSA. Theory, diagnosis and computerized systems will be emphasized in all levels of training. In-depth book work along with theory and shop work is expected. Students must have good communication skills and math skills. Much emphasis will be placed on **Automotive Service Excellence (ASE)** guidelines. Students must have a valid driver's license and a good driving record.

Course Title: Automotive Technology II**CREDIT: 3.0****2 semesters – 3 periods****Grades Eligible: 12****Prerequisites: Automotive Technology I and Instructor approval**

Description: This class is an introduction to brakes, advanced electrical, emission and fuel control, heating and air conditioning, auto tire and wheel alignment, electrical test equipment, maintenance and light repair, and prep for employment. In-depth theory and shop work is expected. Much emphasis will be placed on **Automotive Service Excellence (ASE)** guidelines. Students must have good communication and math skills, a valid driver's license, and a good driving record.

Course Title: Basic Flight**CREDIT: 3.0****2 Semesters- 3 periods (AM only)****Grades Eligible: 11, 12 (one year only- seniors will be given preference)****Prerequisites: Algebra 1**

Description: This course is designed to provide the initial phases of ground and flight training prescribed by Federal Aviation Regulations (FARs) part 61 for the private pilot certification level. Along with classroom training students may log a possible 5 hours of aircraft practical flight instruction and a possible 10 hours of flight observation. Upon successful completion of the course, students are eligible to take the FAA Private Pilot written exam and pursue student pilot certification status.

Course Title: Early Childhood Education**CREDIT: 3.0****2 semesters – 3 periods****Mineral Area College (MAC) – Articulated Credit****Grade Eligible: 12****Prerequisites: Child Development or Instructor approval**

Description: This is a three hour block in which students begin to learn how to become an Early Childhood Teacher. Students learn about child development theories and health and safety techniques as well as to develop age-appropriate learning activities for children ages 3-5. Students learn positive discipline techniques needed to successfully manage a classroom. Students receive experience writing lesson plans, implementing those plans, conducting circle time, and managing the classroom. Students learn how to observe and record student behavior, build a positive and productive relationship with families and maintain a commitment to professionalism. Students will begin a professional portfolio necessary for national certification. Students earn 120 clock hours of classroom training, including 10 hours in each of the 8 CDS subcategories, and 480 clock hours of interaction with children required for the Child Development Associate (CDA) examination. This national certification is recognized in 48 states and opens employment doors in State-licensed daycares and preschools as well as Head Start programs. Dual credit is available through SEMO. Those credits would go toward an Early Childhood Degree or could be used as elective credits.

Course Title: Computer Coding and Programming I**CREDIT: 3.0****2 semesters – 3 periods – (AM Only)****Grades Eligible: 11, 12****Prerequisites: Computer Basics (Computer Apps or Keyboarding) and Algebra 1 or equivalent**

Description: This course introduces students to coding fundamentals through an approachable, block-based programming language where they will have early success in creating usable apps. As students sharpen their computational thinking skills, they transition to programming environments that reinforce coding fundamentals by displaying block programming and text based programming style side-by-side. Finally, students will learn the text-based languages HTML, CSS and JavaScript to create and build various websites.

Course Title: Computer Coding and Programming II
2 semesters – 3 periods – (PM Only)

CREDIT: 3.0

Grades Eligible: 12

Prerequisites: Computer Coding and Programming I with a minimum of a C- and Instructor approval

Description: This course is a continuation of Computer Coding and Programming 1. Students will specialize in languages, such as HTML, CSS, and JavaScript. Students will also be exposed to languages, such as PHP. Year two focuses on text-based languages, as well as career readiness in the Computer Science curriculum. Students are responsible for transportation to internship locations.

Course Title: Computer Networking and Security I

CREDIT: 3.0

2 semesters – 3 periods (AM Only)

Mineral Area College (MAC) – Articulated Credit

Grades Eligible: 11, 12

Prerequisites: Keyboarding, Computer Applications, Algebra 1 and English with a grade of C and above are required. Strong reading skills and good attendance will be necessary.

Description: Year 1 Computer Networking and Security students will learn the fundamentals of computer hardware, software, and networking. Students will learn how to install, configure, upgrade, repair and build a computer. Students also develop the technical skills needed to securely establish, maintain, and troubleshoot the essential networks that businesses rely on. By the end of the year, students have the opportunity to obtain 3 different CompTIA certifications: IT Fundamentals, CompTIA A+, and Network+. Students will gain the fundamental skills needed to obtain entry level IT jobs.

Course Title: Computer Networking and Security II

CREDIT: 3.0

2 semesters – 3 periods (PM Only)

Mineral Area College (MAC) – Articulated Credit

Grades Eligible: 12

Prerequisites: Computer Networking and Security I with a minimum of C- and Instructor approval

Description: Year 2 Computer Networking and Security emphasizes computer security essentials. Students will learn the practical and hands-on abilities to both identify and address security threats, attacks, and vulnerabilities. Students will learn how to effectively respond to and recover from threat incidents. Over the course of the year, students will take the courses Security Pro, CyberDefense Pro, and Ethical Hacker Pro. By the end of the year, students have the opportunity to obtain 3 different security certifications to begin their journey towards an entry level security IT job. With both Computer Networking and Security courses combined, students will have the foundation knowledge and experience they need to enter into the IT field with success.

Course Title: Construction Technology I

CREDIT: 3.0

2 semesters – 3 periods

Grades Eligible: 11, 12

Prerequisites: None

Description: Students will receive instruction and hands-on experience in hand and power tool safety, site prep and layout, footing and foundation forming, floor and wall framing, sheathing, window and exterior door installation and exterior wall finishes. The students will participate in various projects around the school district. Besides the hands-on training, there will be extensive classroom work including math and communication arts. The students will also spend time being tested for basic job skills.

Course Title: Construction Technology II

CREDIT: 3.0

2 semesters – 3 periods

Grades Eligible: 12

Prerequisites: Construction Technology I and Instructor approval

Description: Students will cover areas of residential interior finish carpentry. This will include energy conservation, insulation, drywall, interior wall and ceiling finishes, interior doors and trim, flooring, cabinet installation, fixture installation, residential wiring and plumbing. The students will participate in various projects around the school district. Besides the hands-on training, there will be extensive classroom work including math and communication arts. Students will also spend time being tested for basic job skills. Students will have the opportunity to earn the OSHA 10 card.

Course Title: Criminal Justice**CREDIT: 3.0****2 semesters – 3 periods****Grades Eligible: 11, 12****Prerequisites: Letter of recommendation**

Description: Students must be in good standing in regards to their school discipline; in other words, a student must be someone who has demonstrated exemplary character and conduct throughout their high school career. Moreover, a student must not have any discipline situations involving physical altercations, any illegal substances or any incidents that have resulted in criminal charges. All students will be interviewed by the instructor before class begins. All applicants will be required to submit a letter of recommendation (teacher/employer). This course is a one-year class and will provide students with knowledge in the field of criminal justice/forensics and prepare them for continuing education, and ultimately, employment in a related field. This course is designed to acquaint the students with historical perspectives of criminal justice and a variety of criminal justice career fields, including but not limited to Crime Scene Investigation, Law Enforcement, Police Science, Patrol Theories, Report Writing, Legal Studies, and Leadership Competencies. Course content may include the discussion and viewing some of man's worst and gruesome crime scenes. Students will be exposed to real-world scenarios, which include language and actions consistent with law enforcement encounters.

*Students must maintain exceptional attendance during enrollment in the program. Any student who has poor attendance may be removed from the course.

**Students will be required to purchase a class uniform, including pants, polo shirt, belt, and boots within the first few weeks of class. The cost of the uniform is approximately \$140.

Course Title: Criminal Justice II**CREDIT: 3.0****2 semesters – 3 periods****Grades Eligible: 12****Prerequisites: Criminal Justice I and Instructor approval**

Description: The goal of Criminal Justice II is to prepare students for career paths in law enforcement, corrections, communications, or a court position. This second year of the Criminal Justice program will provide students with more in-depth hands-on knowledge and experience in the field of law enforcement, forensics, and various other careers in the criminal justice field. During the second year, students will be setting up and working their crime scenes, using the simulator at higher degrees of difficulty, conducting mock vehicle stops, and honing their communication skills to allow them to talk with anyone they will come in contact with within the criminal justice field. Eligible students will have the opportunity to participate in an internship with a local business related to the criminal justice field during the second semester. Students who complete the requirements of the course will graduate with certifications in Corrections, Communications, and CPR.

Course Title: Culinary Arts I**CREDIT: 3.0****2 semesters – 3 periods****Grades Eligible: 11, 12****Prerequisites: Basic Food Class**

Description: This program of study is the basic principles of the foodservice industry. Food safety, sanitation, personal safety, food handling skills, knife skills, nutrition, customer service and cooking techniques highlight this program. Students will learn what the nation's largest employer expects them to know and the wide range of opportunities available in the foodservice industry. Hands-on experience is an integral part of the program featuring lab sessions on a large variety of kitchen equipment. Students will learn tasks involved in front of house operations, back of house operations and receive their food handler's card from the local regulatory agency.

Course Title: Culinary Arts II**CREDIT: 3.0****2 semesters – 3 periods****Grades Eligible: 12****Prerequisites: Culinary Arts I and Instructor approval**

Description: The second year program provides students with additional training in specific roles of the food service industry. The course is designed for students to develop additional knowledge to prepare for careers in the food service industry. History and depth of knowledge of the industry allows students to understand the concepts of proven and varied cooking techniques used worldwide. Students learn about food costing, menu planning and profitability. Students meeting the qualifications and with recommendation of the instructor will have the opportunity to compete in culinary competitions at the state and national level. Students will take lead roles in the operation of our campus restaurant and further their experience in real world foodservice operations. Second year students will have the opportunity to become ServSafe Certified and earn certification from the National Restaurant Association ProStart Program.

Course Title: Digital Media Production I**2 semesters – 3 periods****Grades Eligible: 11, 12****Prerequisites: Computer Applications I with a grade of “C+” or above**

Description: This exciting program will introduce and prepare students for the field of broadcasting, digital video, and digital film production. Emphasis will be placed on hands-on access to the high-tech gear and state-of-the-art software, digital video cameras, professional lighting, audio equipment, and more. Students will also learn computer-based editing with Adobe Premiere, Adobe Photoshop and Adobe Audition along with Adobe After Effects while working on projects such as: TV commercials, PSAs, news, music videos, sports, and even short films. This class gives students the skills, tools and techniques to prepare for an exciting future in media, movies, and communications.

CREDIT: 3.0**Mineral Area College (MAC) – Articulated Credit****Course Title: Digital Media Production II****2 semesters – 3 periods****Grades Eligible: 12****Prerequisites: Digital Media Production I and Instructor approval**

Description: This challenging program will build upon the basics of Digital Media, moving into specialized software cutting edge techniques and advanced gear. New genres of production will be explored including news production, film shorts, and industrial video production. Successful completion of this program could qualify students for entry-level employment at television stations, video production companies, advertising agencies, and even film production.

CREDIT: 3.0**Mineral Area College (MAC) – Articulated Credit****Course Title: Electrical Trades I****2 semesters – 3 periods****Credit****Prerequisites: Algebra A**

Description: This course provides training in electrical trades. Students learn how to interpret and apply designs and drawings to the electrical field. Instruction includes constructing, calculating, and installing residential circuits and applicable codes. This course prepares students for entry level employment as an electrician and other related areas. In the first year, residential and commercial wiring are taught, including house wiring, NEC code calculations and blueprint reading, conduit bending, and transformers.

CREDIT: 3.0**Mineral Area College (MAC) – Articulated****Course Title: Electrical Trades II****2 semesters – 3 periods****Credit****Grades Eligible: 12****Prerequisites: Electrical Trades I and Instructor approval**

Description: Students will focus on industrial motor controls and PLC (Programmable Logic Controller). Students learn to install, troubleshoot, and maintain motor controls and variable frequency drives. Upon completion of the second year, students will be able to read and write Programmable Logix. The type of PLC the students will learn is Compact Logix Studio 5000.

CREDIT: 3.0**Mineral Area College (MAC) – Articulated**

Course Title: Emergency Medical Technician-Basic (EMT-B)

CREDIT: 3.0

2 semesters – 3 periods

Grades Eligible: 12 (one year only)

Prerequisites: Exceptional Attendance (including tardies) no more than 5 – pending review; No more than 2 discipline referrals – pending review; Cumulative GPA Minimum 2.5/4.0 scale; Complete Health course with a C or better. If criteria is met, there will be a follow-up interview.

Description: EMT-B is a study of basic emergency care. Students learn the history of Emergency Medical Service (EMS), as well as proper care of the sick and injured patient. The program follows the Department of Transportation's National Standard Curriculum for EMT-B. Upon completion students will be eligible to take the National Registry Certification Exam. Curriculum includes how to properly assess and treat patients, how to perform CPR, management of medical conditions and traumatic injuries, obstetrical emergencies, infant and pediatric emergencies and ambulance operations. Also included are specialized areas of training, including: Emergency Vehicle Operation driving course, hazardous material training, Pediatric Advanced Life Support (PALS), and landing zone training by AirEvac. The program includes classroom and lab studies as well as clinical rotations completed out of class (weekends, holiday break, etc.) at Hospital Emergency Room departments (ER), area ambulance services and local fire departments. Rigorous standards will be maintained in the EMT program. A flipped classroom method is used and anything below 75% is considered failing. The EMT attendance policy states that no more than 3 days a semester may be missed, 6 days total year (exception is home school activities). Tardies are considered absences. This class is beneficial for anyone wanting to pursue the medical field. *Students will be required to purchase uniforms throughout the school year: uniform pants, uniform boots, uniform belt, stethoscope, flu shot, TB test, watch with second hand, and certification exam fees. Optional: uniform hat, and pullover. This course will cost the student approximately \$300.*

Course Title: Fire Science

CREDIT: 3.0

2 semesters - 3 class periods

Grades Eligible: 11, 12

Prerequisite: Minimum 2.5 GPA, exceptional attendance, minimum discipline referrals, & an interview with the Instructor prior to enrollment.

Description: This course will prepare students to begin a career as a firefighter. Topics covered will include fire protection characteristics, fire behavior, chemistry of fire, extinguishing agents, water supply, in-depth fire streams, auto extrication, and fire theory. Upon successful completion of this course, the student will have received training for certification as a Firefighter I & II, Hazardous Materials Awareness & Operations, and National Incident Management System (NIMS 100, 200, & 700). This course is both physically and mentally demanding. Students will participate in active physical training. Successful completion of all required courses allows the student to test as a firefighter through the Missouri Division of Fire Safety. A class uniform will be required.

Course Title: Graphic Design I

CREDIT: 3.0

2 semesters – 3 periods

Mineral Area College (MAC) – Articulated Credit

Grades Eligible: 11, 12

Prerequisites: Keyboarding

Description: Graphic Arts I is designed to give students the opportunity to experience the many facets of the Graphic Design/Offset Printing industry through classroom and hands-on techniques. Students will utilize Adobe Photoshop CC, Adobe Illustrator CC, Adobe InDesign CC and will be given the opportunity to design and print products used by local school districts, including programs, fliers, brochures, stationery, envelopes, and much more. In addition to paper products, students will be given the opportunity to learn the basics of screen printing including but not limited to creating the image, setting up the equipment, and printing the product.

Course Title: Graphic Design II

CREDIT: 3.0

2 semesters – 3 periods

Mineral Area College (MAC) – Articulated Credit

Grades Eligible: 12

Prerequisites: Graphic Design I and Instructor approval

Description: Students will have the opportunity to experience many facets of the Graphic Design/Offset Printing industry through classroom and hands-on techniques. Students will continue to expand their knowledge of Adobe Photoshop CC, Adobe Illustrator CC, and Adobe InDesign CC to design and print products used by local school districts, including programs, fliers, brochures, stationery, envelopes, and more. In addition, students will be challenged to expand their knowledge of screen printing to create more intricate images, and to master the process for setting up equipment for multi-color printing jobs. Students will be given experience in some managerial aspects of the printing process while working with first year students on printing and screen printing projects.

Course Title: Health Occupations**CREDIT: 3.0****2 semesters – 3 periods****Grades Eligible: 12****Prerequisites: None**

Description: Students will learn medical terminology, anatomy and physiology, and basic bedside care skills. You will learn to give daily care to a resident (bathe, dress, feed, bathroom/toileting and assist with activities of daily living). The first semester all students learn the basic skills that all healthcare workers need to know. The second semester students will travel to nursing facilities for hands-on training and will continue training to become a Certified Nurse Assistant (CNA). Upon successful completion of all class and state requirements, eligible students may take the Missouri Nurse Assistant Certification Test. In order for students to be eligible to sit for the exam, the State of Missouri mandates that students must complete 75 hours of classroom instruction, complete 100 hours of on-the-job training in a long term care facility, and make at least 80% or better on three unit exams. *For a reduced fee, Health Occupations students may also receive three hours of dual enrollment credit in Medical Terminology through Mineral Area College. *Students will be required to purchase the following throughout the school year: watch with second hand, scrub uniform set, leather type tennis shoes, TB test, flu shot, Family Care Safety Registration, CPR/First Aid cards, This course will cost the student approximately \$115.*

Course Title: HVAC-R I**CREDIT: 3.0****2 semesters – 3 periods****Grades Eligible: 11, 12****Prerequisites: None**

Description: Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC-R) field is part of a growing technical-trades industry. This course is designed to provide a fundamental understanding and working knowledge in the fields of heating, ventilation, air conditioning, and refrigeration. Students will study all phases of HVAC-R applications, fundamental circuitry/schematics reading, and troubleshooting electrical, mechanical, and refrigeration systems. Students will have the opportunity to take the EPA certification testing on site (at an additional fee) as well as testing for field certification in residential, light commercial, and heat pump application.

Course Title: HVAC-R II**CREDIT: 3.0****2 semesters – 3 periods****Grades Eligible: 12****Prerequisites: HVAC-R I and Instructor approval**

Description: The second year student will train on light commercial systems applications, in-depth troubleshooting of circuitry, mechanical, and refrigeration systems. Students will have the opportunity to learn the practical application of recovery equipment and other service tools specific to the trade. Students will be allowed to choose specific areas of training, such as building energy management, sheet-metal design and fabrications, estimating and layout. Time will be spent preparing for industry certification.

Course Title: Landscape/Horticulture I**CREDIT: 3.0****2 semesters – 3 periods (AM Only)****Grades Eligible: 11, 12****Prerequisites: None**

Description: This program is designed to provide knowledge and practical experience in the care, cultivation, and identification of ornamental and landscape plants; flowers, trees, shrubs, ground-covers, vines, and perennials/annuals/biennials. The work will be balanced between the classroom and outdoor activities and laboratories, with emphasis not only on applying and highlighting skills learned in the classroom, but also on solution-based problem-solving and innovation/creation. Students will be exposed to and gain ability in plant propagation from seed and numerous methods of cloning, greenhouse operations, various elements of landscape and floral design, pruning practices, turfgrass management, and various other aspects of Sustainable Horticulture and food-production.

Course Title: Landscape/Horticulture II**CREDIT: 3.0****2 semesters – 3 periods (AM Only)****Grades Eligible: 12****Prerequisites: Landscape Horticulture I and Instructor approval**

Description: Second-year students can focus for specialization in areas of interest, such as greenhouse management, hydro/aero/aquaponics, nursery management, landscape installation/maintenance, hardscaping, or others. Students who maintain a "C" or better average coupled with proper attendance may qualify for a work/study program in the fourth quarter of their second year. Upon completion of this course, students may choose to be tested for certification as an Advanced Level Missouri Certified Nursery and Landscape Professional (testing fee applies).

Course Title: Marketing I
2 semesters – 3 periods – (AM Only)
Grades Eligible: 11, 12
Prerequisites: None

CREDIT: 3.0

Description: This course is designed to help students learn the basic concepts and practices of retailing within our society. Students will gain an in-depth understanding of the many elements of marketing, business management, and selling as it relates to retailing and retail businesses. This course will explore topics ranging from selling, cashiering, customer relations, pricing and promotion. The student store will be used as a learning lab, and students will rotate through various positions for experiential learning before testing on course standards. This course is ideal for students who have a career interest in marketing, management, or retailing.

Course Title: Marketing II
2 semesters – 3 periods – (PM Only)
Grades Eligible: 12
Prerequisites: Marketing I or Instructor approval

CREDIT: 3.0

Description: This course is designed to help students learn the basic concepts and practices of marketing within our society. Students will gain an in-depth understanding of the many elements of marketing, business management, and selling. This is an ideal course for those students who have a career interest in marketing or management. Students enrolled in this course may participate in the Marketing Internship program for paid, on-the-job training in a marketing occupation. Students may be released up to two periods from the regular school day to complete the on-the-job portion of this class. Those students working a minimum of 180 hours per semester (10 hours a week) will be released one period, and those working 360 hours per semester (20 hours a week) will be released two periods. Participation in the Internship is not automatic. Instructor must approve the training site during the first week of class.

Course Title: Medical Assistant
2 semesters – 3 periods
Grades Eligible: 12
Prerequisites: Cumulative overall GPA of 2.3 or higher; Complete Health course with a C or better; remarkable attendance and discipline history

CREDIT: 3.0

Description: Medical assistants work alongside physicians and other healthcare professionals in medical offices and clinics. Medical assistants (MAs) are critical members of healthcare teams in a variety of medical settings and must be flexible. An MA is often the first and last person a patient interacts with, making a lasting impact on the patient experience. Students will be taught to perform a variety of tasks such as: taking patient vital signs, assisting providers with exams and procedures, administering injections or medications, performing EKG, phlebotomy and other essential laboratory procedures, checking patients in and out upon arrival and departure, answering phone calls and questions, and updating and maintaining electronic health records (EHR). Students who complete the program will receive a certificate of completion. These students will also have the opportunity to receive a Registration by taking the Certified Clinical Medical Assistant (CCMA) Exam through the National Healthcareer Association (NHA).

Course Title: Practical Nursing
2 semesters – 3 periods (AM Only)
Grades Eligible – 12

CREDIT: 3.0

Prerequisites: Cumulative overall GPA of B or better; English I, II, III; Algebra I; Biology; successful completion of the WorkKeys test; successful completion of extensive application and interview process; remarkable attendance and discipline history

Description: Only a few nursing schools across the nation offer an educational opportunity to enter the field of nursing as high school seniors. The practical nursing program at the CTC provides a secondary/post-secondary track where students complete the first session of classes during a 3-hour block at the CTC during their senior year. They return in July/August after graduating high school and complete the nursing courses along with the remainder of the clinical experiences in the second year. Students will graduate from the practical nursing program the following May. Admission into nursing programs is competitive. Many require completion of prerequisite college courses with a certain GPA. Some have 2-3 year wait lists to get admitted. Practical nursing education has both classroom and hands-on clinical experience in a student-friendly, small-group environment. Tuition for the senior year is paid by the sending school. Financial aid, including the A+ scholarship, is available for the post-secondary year. Many of our graduates work as a LPN while they further their education to reach their career goals. *Students will need to purchase the following throughout the school year: flu shot, CPR card, liability insurance, MOSALPN student membership, watch with second hand, stethoscope, bandage scissors, pen light, white lab coat, uniforms, and all white nurses shoes. This course will cost the student approximately \$250.*

Course Title: Precision Machining I

2 semesters – 3 periods – (AM Only)

Grades Eligible: 11, 12

Prerequisites: Algebra 1 or equivalent

Description: This course is designed to prepare students for entry-level manufacturing jobs as a machinist. Students will learn to operate a power saw, drill press, lathe, mill, and grinder. Fabrication and resurfacing of cutting tools will be taught. In addition, students will interpret designs, drawings, and specifications and analyze quality control data.

CREDIT: 3.0

Mineral Area College (MAC) – Articulated Credit

Course Title: Precision Machining II

2 semesters – 3 periods – (AM Only)

Grades Eligible: 12

Prerequisites: Precision Machining I and Instructor approval

Description: This course is a continuation of Precision Machining I. Students will also work with computerized numerical control (CNC) machine tools and Electric Discharge Machine operation. Students in the second semester of this course may have the opportunity to complete an approved internship.

CREDIT: 3.0

Mineral Area College (MAC) – Articulated Credit

Course Title: Pre-Engineering Block I by Project Lead the Way

2 semesters – 3 periods – (AM Only)

Grades Eligible – 11, 12

Prerequisites- students must be enrolled in or have completed a college preparatory sequence of math courses (at least Algebra 1 or Algebra B in Grade 9, Geometry in Grade 10, and Algebra 2 in Grade 11) and be interested in the field of engineering

Description: This block will include two PLTW courses: Intro to Engineering Design, Principles of Engineering, and Civil Engineering and Architecture. PLTW is a sequence of courses which, when combined with traditional mathematics and science courses in high school, introduces students to the scope, rigor, discipline and fun of engineering prior to entering college. This block will include:

Intro to Engineering Design – In this course students use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve problems in and out of the classroom. Using sophisticated three-dimensional modeling software, students communicate the details of the products. Emphasis is placed on analyzing potential solutions and communicating ideas to others.

Principles of Engineering - This introductory course explores the wide variety of careers in engineering and technology and covers various technology systems and manufacturing processes. Using activities, projects, and problems, students learn firsthand how engineers and technicians use math, science, and technology in an engineering problem-solving process to benefit people. The course also addresses concerns about social and political consequences and technological change.

CREDIT: 3.0

Dual Credit Available through SEMO

Course Title: Pre-Engineering Block II by Project Lead the Way

2 semesters – 3 periods (PM Only)

Grades Eligible – 12

Prerequisites – completion of Pre-Engineering Block I and Instructor approval

Pre-Engineering Block II is offered during the afternoon CTC block. This course will continue to offer students project-based, hands-on experience to teach students the key elements and skills of engineering and technology-based careers by immersing them in rigorous engineering problems. This block will include:

Computer Integrated Manufacturing - Students learn concepts of robotics and automated manufacturing by creating three-dimensional designs using computer modeling software. After designs are electronically created, students actually produce models of their designs through the use of CNC equipment and robotics.

Civil Engineering and Architecture - Students study the design and construction of residential and commercial building projects. It is an introduction to the varied factors involved in building and site design and construction, including building components and systems, structural design, stormwater management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry. Students are exposed to the design and construction practices of residential and commercial building projects, design teams and teamwork, communication methods, building codes and ordinances, engineering design calculations, and technical documentation. Students use industry standard 3D architectural modeling software to facilitate site and building design and technical documentation. As the course progresses and the complexity of the design problems increase, students learn more advanced computer modeling skills as they become more independent in their learning, more professional in their collaboration and communication, and more experienced in problem solving and design.

Engineering Design and Development – Teams of students, guided by community mentors, work together to research, design, and construct solutions to engineering problems.

CREDIT: 3.0

Course Title: Welding I
2 semesters – 3 periods
Grades Eligible: 11, 12
Prerequisites: None

CREDIT: 3.0

Description: Students enrolling in Welding I receive approximately 450 hours of intense welding instruction by a certified welding instructor in Oxyacetylene Welding and Cutting, Shielded Metal Arc Welding, Gas Metal Arc Welding and Gas Tungsten Arc Welding based on guidelines set forth by the American Welding Society. This instruction will start students on the path for a successful future in the field of welding.

Course Title: Welding II
2 semesters – 3 periods
Grades Eligible: 12

CREDIT: 3.0

Prerequisites: Welding I and Instructor approval

Description: Welding II solidifies everything learned in Welding I, provides students with additional welding practice, and allows time for more in-depth training. By demonstrating advanced levels of skill performance, the student can complete Welding 2 and take multiple welder qualification tests for future employment experience.

EMBEDDED CREDIT

Course Title: Embedded Math (Embedded Credit) CREDIT: 1.0

Grades Eligible: 11, 12

Prerequisites: Enrollment in a CTC career education program

Description: Students enrolled in a career education program may earn one credit of math in one academic year or a combination of two academic years. Embedded math requires students to use practical mathematics to solve technical, real-life problems. Students must notify their School Counselor if they wish, or need, to be enrolled in the course.. This is a competency based course so students must pass their CTC course and embedded math exam to receive credit. THIS EMBEDDED MATH CREDIT SATISFIES THE HS MATH GRADUATION REQUIREMENT BUT DOES NOT SATISFY THE MATH REQUIREMENT FOR COLLEGE ENTRANCE.

Course Title: Embedded English/Language Arts (Embedded Credit).....CREDIT: 1.0

Grades Eligible: 11, 12

Prerequisites: Enrollment in a CTC career education

Description: Embedded Language Arts allows all high school seniors to earn one full Language Arts credit upon completion of a career portfolio and passing their career program. This portfolio will be personalized to each student showcasing their knowledge, ability, and experience. Students will be expected to attend ELA class, individual conferences, complete work as assigned and participate in a mock interview. The completed portfolio can be used to apply for jobs, college admissions, internships/apprenticeships, and other training programs. Students who satisfy the requirements of the program and maintain a 70% or higher in ELA will earn one full Language Arts credit which will be transcribed at their home school.

****All CTC courses offered for college credit will be weighted**

Program Supply List 2026-2027

<u>Program Name</u>	<u>Required Supplies</u>	<u>Suggested Supplies</u>
Auto Collision	Pocket blower, closed-toe shoes, pencil/pen, paper, folders	Pocket clip tool, dust respirator, paint respirator
Automotive Technology	Penlight, closed-toe shoes, pencil/pen, paper, folders	
Basic Flight		
Computer Coding & Programming		Year II students-home computer or laptop with Windows 11 operating system-computer specifications will be given by instructor
Computer Networking & Security		
Construction Technology	Boots and long pants	
Criminal Justice	Class uniform including pants, polo shirt, belt and boots	
Culinary Arts	Closed-toe shoes with good grip (no cowboy boots or heels), kneelength or longer pants	Basic knife roll kit-8" chef's knife, serrated knife, paring knife, hones, filet knife, kitchen shears w/case, and sheath for each knife
Digital Media Production		
Early Childhood Education	Pencil/pen, paper, folders, 3-4 in binder, 250 page protectors, closed-toed shoes when at preschool	Class shirt
Electrical Trades	Pen, paper, 3-ring binder, 3-different colored highlighters, wire strippers, 11 in 1 screwdriver, Ugly's Quick Reference Guide, closed toe shoes, jeans or heavy denim material	
EMT	Navy blue EMT Uniform pants, black belt, black tactical boots/shoes, watch, stethoscope, class t-shirt, NREMT written exam taken at student's discretion after program completion	Job shirt, hat
Fire Science	EMT pants, duty boots	Job shirt
Graphic Design		
Health Occupations	Scrub tops and pants (must be a certain brand and color), black shoes, wristwatch with a second hand, physical exam, any required	

	vaccinations if missing or outdated, flu vaccine, two-step PPD screening, urine drug screening	
HVAC/R	Closed-toe shoes, 2-3" binder, 3 black sharpies	Class t-shirt/hoodie
Landscape Horticulture	Pencil/pen, paper, folders, closed toe shoes	Blade and anvil pruners
Marketing	Professional dress attire for DECA-dress shoes, slacks or long skirt, dress shirt or blouse.	
Medical Assistant	Scrubs 1-2 sets (must be a certain brand and color), closed-toe, non-mesh shoes, watch with a second-hand, urine drug screening	Basic model stethoscope, blood pressure cuff, thin, long-sleeved undershirt, lab coat
Practical Nursing	Scrub tops and pants (must be a certain brand and color), black shoes, wristwatch with a second hand, physical exam, any required vaccinations if missing or outdated, flu vaccine, two-step PPD screening, urine drug screening	
Precision Machining		
PLTW		
Welding	Two pairs of welding gloves-1 all leather/light-weight and a heavy-weight pair, long-sleeved denim or cotton shirt (welding shirt)-FR rating is not required, cotton jeans-no cuffs or frayed ends/holes, leather boots-no low-top shoes, 12'+ tape measure, soapstone/soapstone holder	Welding helmet if you want to supply yourself with a different one other than what the school supplies

CORE 42 MOTR Guarantee

The Missouri Department of Higher Education (MDHE) has identified a common set of general education courses, commonly known as CORE 42. Core 42 courses are guaranteed to transfer to any Missouri public college or university to satisfy general education requirements.

For more information go to <https://dhewd.mo.gov/higher-education/academic-affairs/core-42>.

Southeast Missouri State University General Education Requirements									
Southeast’s General Education program provides broad, foundational knowledge and essential, transferable skills. These courses prepare students for informed civic engagement in a globalized world, personal and professional success, and interdisciplinary expertise.									
Courses with MOTR designations will transfer for General Education credit to any Missouri institution of higher education that participates in CORE42.									
Humanities & Fine Arts: 9 Hours			Social & Behavioral Sciences: 6 Hours			Natural Sciences: 7 Hours, including Lab Option			
Students take 3 courses from 2 disciplines. AH/AR, EH/WH, and FR/GN/SN are each one discipline.		MO TR?	Students take 2 courses from any disciplines.		MO TR?	Students take 2 courses from 2 disciplines. One course must be a "lab option." BI/BS are the same discipline.		MOTR?	
AH110 (3)	Art History Survey I	Yes	AG201 (3)	World Food & Society	No	Lab Options: Must Take Course + Lab in the Same Semester.			
AH210 (3)	Art History Survey II	Yes	AN100 (3)	Foundations of Human Behavior	No	AO120/125 (4)	Plant Science / Lab	Yes	
AR100 (3)	Drawing I (Performance-Based)**	Yes	AN181 (3)	Cultural Anthropology	Yes	AN183/083 (4)	Biological Anthropology / Lab	No	
AR111 (3)	Ceramics: A Metaphor	Yes	AN182 (3)	Introduction to Archeology	No	BI163/063 (4)	Evolution & Ecology / Lab	Yes	
AR112 (3)	Perspectives in Art	Yes	CD110 (3)	Language & Culture of Deaf	No	BS113/013 (4)	Anatomy & Physiology / Lab	Yes	
AR284 (3)	Photography Fundamentals	Yes	CF102 (3)	Relationships in the 21st Century	Yes	CH181/081/001 (5) Basic Principles of Chemistry with Lab and Recitation		Yes	
CF233 (3)	Creative Thought ... in Children	No	CF120 (3)	The Child: Development ...	No	EV105/106	Environmental Biology / Lab	Yes	
CN100 (3)	Chinese Language & Culture I	Yes	EC101 (3)	Economic Problems & Policies	Yes	GO110/010 (3)	Physical Geology / Lab	Yes	
DS104 (3)	Interior Design	No	EC215 (3)	Principles of Microeconomics	Yes	GO150/050 (4)	Earth Science / Lab	Yes	
EL274 (3)	Diversity in America's Schools	No	EC225 (3)	Principles of Macroeconomics	Yes	PH120/020 (5)	Introductory Physics I / Lab	Yes	
EH101 (3)	Early European Civilization	Yes	FE200 (3)	Family Resource Management	No	PH230/030 (5)	General Physics I / Lab	Yes	
EH103 (3)	Modern European Civilization	Yes	FA104 (3)	Beyond Project Runway	No	Lab Options: Can Take Course & Lab in Different Semesters.			
FR100 (3)	French Language & Culture I	Yes	GG150 (3)	People & Places of the World	No				
FR120 (3)	French Language & Culture II	Yes	GG180 (3)	Cultural Geography	Yes	BS109 (1)	Science Reasoning in Biology Lab	No	
GN100 (3)	German Language & Culture I	Yes	HL120 (3)	Health Perspectives	Yes	BS118 (1)	Introduction to Process Science Lab	No	
GN120 (3)	German Language & Culture II	Yes	MC101 (3)	Media & Society	No	BS218 (3)	Biological Science: A Process Approach	Yes	
LI205 (3)	The Art of Film	No	MN220 (3)	Engineering Economic Analysis	No	CH185 (3)	General Chemistry I	Yes	
LI211 (3)	World Literature I	Yes	OS120 (3)	Introduction to Urban Studies	No	CH184 (1)	General Chemistry I Lab	Yes	
LI212 (3)	World Literature II	Yes	OS200 (3)	Survey of Social Science	No	PH106 (3)	Physical Concepts	Yes	
LI243 (3)	Children's Literature	No	PE201	Sport & Society	No	PH107 (1)	Physical Concepts Lab	No	

			(3)					
LI256 (3)	The Variety of Literature	Yes	PS104 (3)	Comparative Political Systems	Yes	PH128 (3)	Introduction to Astronomy	No
LI260 (3)	English Literature I	Yes	PY101 (3)	Introduction to Psychology	Yes	PH129 (1)	Introduction to Astronomy Lab	No
LI261 (3)	English Literature II	Yes	PY120 (3)	The Child: Development ...	No	Non-Lab Options: Do NOT count as Lab credit.		
LI270 (3)	American Literature I	Yes	PY220 (3)	Development Across the Lifespan	Yes			
LI271 (3)	American Literature II	Yes	PY222 (3)	Development of the Adolescent	No	BS103 (3)	Human Biology	Yes
MC253 (3)	Film History	No	SO101 (3)	Introduction to Sociology	Yes	BS108 (3)	Biology for Living	Yes
MH252 (3)	Evolution of Musical Style Since 1820	Yes	SW207 (3)	Understanding Diversity	Yes	GG140 (3)	Physical Geography	Yes
MM100 (3)	Music Fundamentals	Yes	WH150 (3)	Ancient World Civilizations	No	FN235 (3)	Nutrition for Health	Yes
MU182 (3)	Music: An Artistic Expression	Yes	WH160 (3)	Modern World Civilizations	No	Mathematics: 3 Hours		
MU184 (3)	"Who ..." History of Rock 'n Roll	Yes	Civics: 3 Hours			Students take 1 course.		M OT R?
MU190 (3)	Jazz Appreciation	Yes	Students take 1 course from any discipline.		MO TR?	MA115A (5)	Precalculus A with Integrated Review	Yes
MU311-98 (1) Ensembles (Performance-Based)**		Yes*	PS103 (3)	U.S. Political Systems	Yes	MA116 (3)	Precalculus A	Yes
PL110 (3)	Readings in Philosophy	Yes	US105 (3)	American History I	Yes	MA123 (3)	Mathematical Reasoning & Modeling	Yes
PL120 (3)	Symbolic Logic I	Yes	US107 (3)	American History II	Yes	MA128 (4)	Numbers & Operations for Educators	No
PL204 (3)	Ethical Theory	Yes	US150 (3)	African-American History I	No	MA155 (3)	Statistical Reasoning	Yes
RS101 (3)	World Religions	Yes	US160 (3)	African-American History II	No	Written Communication: 6 Hours		
RS201 (3)	New Testament Literature	No	Higher Education Civics Achievement Exam (0)			Students take 2 courses from any discipline.		M OT R?
RS202 (3)	Old Testament Literature	No	Additional Requirements: 5+ Hours			EN100 (3)	Fundamentals of Composition	Yes
SN100 (3)	Spanish Language & Culture I	Yes	First-Year Seminar***		MO TR?	EN140 (3)	Rhetoric & Critical Thinking	Yes
SN120 (3)	Spanish Language & Culture II	Yes	UI100 (1)	First Year Seminar	No	PL115 (3)	Philosophical Writing	Yes
TH100 (3)	Theatre Appreciation	Yes	BI103 (1)	Prep for Pre-Professionals	No	Oral Communication: 3 Hours		
UI343 (3)	Transcultural Experience	No	Students must earn 42 credit hours minimum.			Students take 1 course.		M OT R?
WH100 (3)	African Civilization	No				SC105 (3)	Speech Communication	Yes
WH110 (3)	Chinese Civilization	No	PX200 (3)	Exploring Academic Disciplines	No	SC107 (3)	Online Oral Presentations	No
WH125 (3)	Islamic Civilization	No	PX200 is not required. It counts as an elective toward 42 hours of General Education.			SC155 (3)	Interpersonal Communication	No
WH130 (3)	Latin American Civilization	No						

*Only MU389, MU391, MU392, and MU394 have MOTR codes.

**Students cannot take more than 3 credit hours of performance-based courses.

***First Year Seminar (UI100 or BI103) is required unless a student transfers 24 credit hours, excluding dual enrollment, dual credit, or early college credit. PX200 is required for the Professional Studies major but not General Education. If taken, it counts as a General Education elective.

