

DEAR STUDENTS AND PARENTS

This booklet describes the course offerings available to students at Eldon High School and outlines the graduation requirements that are the current policy of the Eldon R-I Board of Education.

Your high school offers a comprehensive range of courses providing opportunities and challenges for all. The curriculum is revised periodically to reflect the needs and interests of the student body. Although courses and various policies are explained within this guide, you may still have questions. Please feel free to contact the counseling office at 573-392-8010.

ENROLLMENT INSTRUCTIONS

Enrollment is one of the most important assignments in which you as a student will participate. Therefore, you should give serious consideration to the decisions you make in selecting your personal plan of study for next year. Talk with your parents, teachers, counselors, and principals for their advice.

Choose courses carefully – schedules are not changed without good reason.

It is the student's responsibility, with the help of your advisor, to determine a program of study from which you will profit the most and meet Eldon High School graduation requirements, while preparing you for college, technical school, the military or the world of work.

CLASS STATUS

Class status is based solely on the number of high school credits the student has earned.

Freshman = Fewer than 5 credits
Sophomore = Between 5 & 10.5 credits
Junior = Between 11 & 17.5 credits
Senior = 18 or more credits

CLASS LOAD

For a full-time student, the minimum course load is 7 periods scheduled within the 8 period day. Students will need to earn approximately

6.5 credits per year in order to graduate in 4 years.

REQUIRED COURSES BY GRADE LEVEL

FRESHMAN

LA: English I or Honors English I

Science: Biomedical Science or Honors Physical Science

Math: (choice depending on prerequisite)

SOPHOMORE

LA: English 2 or Honors English 2

Social Studies: World Civilizations or Honors World Civilizations

Science: Biomedical Science, Honors Chemistry, Biology or Honors Biology

Math: (choice depending on prerequisite)

JUNIOR

LA: English 3 or *Hon. LIT 101/107*

Social Studies: American History or *Hon. HIST 101/102*

Science: Biology or Honors Biology, Biomedical Science, or Honors Chemistry

Math: (choice depending on prerequisite)

SENIOR

LA Arts: English 4 or *Hon. ENG 101/102*

Social Studies: Government or *Hon. POLS 101/* Honors Government in Action

TRANSFER CREDITS

Students entering Eldon High School from schools that award credits differently from a seven credit per year schedule will be placed on the following conversion scale for determining the number of credits needed to graduate from Eldon High School. The total credits possible at the time of transfer from the former school plus the total possible that could be earned at Eldon at the time of enrollment will provide the total number of credits that the student could earn in four years. This number is then multiplied by .85 to arrive at the number of credits necessary to graduate. In addition, students must meet all state and local requirements.

GRADUATION REQUIREMENTS

Students and parents should read these requirements carefully. The school will advise and keep students informed of their status, but completion of coursework and compliance with school policies are the responsibility of the student. A total of 25 units of credit must be earned, including the core curriculum listed below.

4 credits- Language Arts (English I or Honors English I, English 2 or Honors English 2, English 3 or *Hon. LIT 101/107*, English 4 or *Hon. English 101/102*)

3 credits- Social Studies (World Civilization or Honors World Civilization, American History or *Hon. HIST 101/102*, Government or *Hon. POLS 101*/Honors Government in Action)

3 credits- Science (Physical Science or Biomedical Science, Human Body Systems, Honors Chemistry, and Biology or Honors Biology)

3 credits- Math (Algebra I, geometry, Algebra II, additional upper level math)

.5 credit- Health

.5 credit- Personal Finance

.5 credit- Computer Technology Course (see list)

1 credit- Practical Arts (business, FACS, industrial arts, agriculture, or other career center classes)

1 credit- Fine Arts (instrumental/vocal music, art, speech/drama)

1 credit- Physical Education

7.5 credits- Electives

25 Total Credits Needed for Graduation

CLASSES THAT MEET TECHNOLOGY CREDIT

3D Animation

Adobe Photoshop

*Advanced Digital Media

Advanced Digital Photography

Agricultural Communications

*Architectural 3D Design

*Business Informatics

Civil Engineering & Architecture (CEA)

Computer Applications

*Computer Design

Computer Science Applications (CSA)

*Computer Science & Software Engineering (CSSE)

Computer Science Essentials (CSE)

Computer Science Principles (CSP)

*Creative Computer Applications for Engin. & Tech.

Desktop Publishing

*Digital Informatics

*Digital Media: Apps in the Cloud

Digital Photography

Digital Video Production

Intro to Business

Introduction to Engineering Design (IED)

Marketing Dynamics

Material Processing

Microcomputer Applications

*Photography

*Principles of Engineering (POE)

*Robotic Engineering (RE)

*Screen Printing and Vinyl Cutting

Technology Solutions

Travel and Tourism

*Web Design

Writing for Publications

All online Dual Credit Courses

***Class no longer offered**

GRADING INFORMATION

1/2 unit of credit is awarded for each semester of completed course work. All classes meet approximately 47 minutes, 5 days per week, and the semester is 18 weeks long.

HONORS CLASSES

Students have the opportunity to take honors classes at Eldon High School or through the College now (pg. 37) program. Honors classes are classes that have a more rigorous curriculum than the standard classes. The student will experience a greater, more in-depth knowledge of the subject area. Honors classes are denoted in this Career Planning Guide with the word "Honors" preceding the name of the class.

Students successfully completing an honors class will receive more points toward their grade point and thus create a greater opportunity to increase their class rank.

UNWEIGHTED & WEIGHTED GRADING SCALE

	Grade Pt. Regular Class	Grade Pt. Honors Class	
A	4.00	4.80	95% & above
A-	3.66	4.40	90-94%
B+	3.33	4.00	87-89%
B	3.00	3.60	83-86%
B-	2.66	3.20	80-82%
C+	2.33	2.80	77-79%
C	2.00	2.40	73-76%
C-	1.66	2.00	70-72%
D+	1.33	1.60	67-69%
D	1.00	1.20	63-66%
D-	0.66	0.80	60-62%
F	0.00	0.00	Failing

COLLEGE PREP SEQUENCE

The following courses are recommended for those wanting to take a college preparatory sequence.

English Courses

Honors English 1
Honors English 2
Hon. LIT 101/107
Hon. ENG 101/102

Math Courses

Geometry or Honors
Algebra II or Honors
College Algebra
Hon. Prob. & Statistics
Hon. Pre-Calc. & Trig.
Hon. Calculus

Science Courses

Hon. Biomedical Sci.
Human Body Systems
Honors Chemistry
Honors Biology
*Hon. Physics
*Hon. Adv. Chemistry
**Hon. BIO 112*
**Hon. BIO 208- BIO 207*
prerequisite
EASC 118 (semester)
** Denotes full year*
course, 1st semester
prerequisite, 2nd
semester is weighted

Social Studies Courses

Honors World Civ.
Hon. HIST 101/102
Hon. POLS 101
Honors Gov't. in
Action

DUAL ENROLLMENT CLASSES

Eldon High School students may take classes and earn both high school and college credit. These courses do require a **MANDATORY FINAL** in both semesters. College credit is offered through Missouri Baptist University and State Fair Community College.

To be eligible for **Missouri Baptist University** dual credit a student must:

- 1) Have a minimum cumulative **GPA of 2.5-3.0** in order to enroll in a dual credit class.
- 2) Students must earn a "C" or higher in order to receive credit for their course. Tuition will not be refunded for dropped courses or grades of "D" or "F".
- 3) Students must complete proper prerequisite courses.

College Algebra, Hon. Probability & Statistics, Honors Pre-calculus and Trigonometry and

Hon. Calculus are offered as dual-credit classes through Missouri Baptist University.

Student eligibility for **State Fair Community College** dual credit or a 2 year Associates of Arts Degree can be found in the **College Now Handbook** along with dual credit courses that are available. (see pg. 37 for additional information)

M.S.H.S.A.A. ELIGIBILITY

Students wanting to participate in a High School Sport must have earned 3.0 credits in the semester prior to the start of the selected sport season. The student must also be enrolled in 6 courses (3.0 credits) during the semester they are participating. All freshmen are automatically eligible first semester.

NCAA INITIAL ELIGIBILITY

If you are planning to enroll in college and wish to participate in Division I or Division II sports, you must be certified by the NCAA Eligibility Center. You should start the certification process early, usually by the sophomore year. There are several steps in this process and this is just a brief overview. For more information, you should visit eligibilitycenter.org or contact the H.S. Counseling Department or the Athletic Director.

OTHER PRE-COLLEGE INFORMATION

- 1) For students planning to enter post-secondary education, it is recommended that they take the ACT Test in their sophomore or junior year.
- 2) Seniors should make application to the post-secondary institution of their choice as early as possible during the fall of their senior year.
- 3) Some schools have early application deadlines for students who are applying for scholarships. These early deadlines require seniors to have a qualifying ACT score before their senior year begins.

- 4) Students should prepare to submit the Free Application for Federal Student Aid (**FAFSA**). Financial aid awards are made by the colleges on the basis of the family's tax information. Financial aid consists of Grants (both Federal and State), Loans and Work Study. Every student planning on going to college should fill out a FAFSA. All students planning on using their A+ funds MUST file a FAFSA application.
- 5) For students planning to enter college, it is recommended that they take at least two years of foreign language classes. It is recommended that students check with all colleges and universities that they apply to for specific foreign language requirements.

A+ PROGRAM

Eldon is an A+ school. Students who have met the following criteria by the time they graduate may be eligible for financial assistance if they decide to go to State Technical College of Missouri or a public community college. At this time, if the student meets the criteria below and decides to attend a Missouri two-year institution, the State of Missouri will pay for their tuition for the first two years.

- 1) Student must have signed an A+ agreement while in high school.
- 2) Student must have attended a designated A+ school for three consecutive years prior to high school graduation.
- 3) Student must graduate from high school with a grade point of 2.5 or higher.
- 4) Student must perform 50 hours of unpaid tutoring or mentoring for younger students.
- 5) Student must have at least a 95% attendance record for a four-year period.
- 6) Student will be required to score at the Proficiency Level on the Alg. 1 EOC or a qualifying ACT Math score.

- 7) Student must maintain a record of good citizenship and avoidance of drugs and alcohol.

CTE Certificate

Beginning with the class of 2021, students may earn a career and technical education (CTE) certificate in addition to his or her high school diploma. The requirements are set by the State Board of Education and are intended to provide students with the necessary technical and employability skills to be prepared for an entry-level career or additional training in a technical field.

Students must meet all requirements in order to receive the CTE certificate. The Eldon Career Center will support student efforts to accomplish these requirements through the development and monitoring of the individual personal plan of study based on a career pathway.

- 1) Student must meet all Eldon High School requirements for graduation.
- 2) Student must be a career and technical education (CTE) concentrator. A CTE concentrator is a student who has earned at least two credits in a single career and technical education program of study.
- 3) Student maintains a minimum grade point average of 3.0 in the CTE area of concentration.
- 4) Student passes an approved Technical Skill Assessment (TSA) and/or earns an approved Industry-Recognized Credential or Certificate (IRC) aligned with the student's CTE area of concentration.
- 5) Student must complete 50 hours of work-based learning experience.
- 6) Student must have at least a 95% attendance record for a four-year period.
- 7) Student will demonstrate soft-skills/business skills by being actively involved in a Career

and Technical Student Organization (FFA, FBLA, SkillsUSA) during the junior or senior year.

- 8) Student achieves a score at or above the state standard on at least one measure of college and career readiness. This includes the ACT®, SAT®, Accuplacer Next Generation, and the Armed Services Vocational Aptitude Battery.

2020-2021 TEST SCHEDULE

PreACT-The PreACT has the same four multiple-choice sections as the regular ACT: English, Math, Reading, and Science. There is no Writing section. The test is also scored the same way as the regular ACT, on a scale from 1-36. The PreAct is given in the Fall to any sophomore who opts to take the test and the cost is currently \$12.

ACCUPLACER-The Accuplacer Test is given to all sophomores in the Spring at minimal or no cost. The Accuplacer Test is a college placement test which evaluates skill levels in reading, writing and math and helps to place students for dual credit courses.

PSAT - The Preliminary Scholastic Aptitude Test (PSAT) is offered in the Fall to students in their junior year. Juniors interested in the National Merit Scholarship competition must take the PSAT in order to be considered. The cost is currently \$16.00.

ACT - The ACT is the test required for admission for most of the colleges and universities in the midwest. Results are also used for scholarships and placement. There are five regular testing dates during the following months: September, October, December, February, April and June. The current cost is \$46 for the ACT. The optional Writing Assessment is available with the regular ACT. There is an additional charge (\$16.50) for taking this test. Students should contact their college and ask if they require the

writing portion. ACT requests that students register online at act.org.
Eldon's High School Code is 260-930.
Eldon's Test Center Code is 207-780.

ACT TEST DATES for 2020-2021

September 12, 2020
October 24, 2020
December 12, 2020
February 6, 2021
April 10, 2021
June 12, 2021
July 17, 2021

SAT-Students interested in taking the SAT Tests need to register at collegeboard.org. All necessary information such as test dates and cost can be found on the website.

ASVAB - This aptitude test is given to all juniors in the Fall of each school year. The test is given and paid for by the United States Department of Defense. There is no fee for this test.

MISSOURI CONNECTIONS – Missouri Connections is a career assessment tool for students to explore career areas. Students will take the assessments and use Missouri Connections throughout high school and develop an electronic portfolio, including a personal plan of study. There is no fee for this service.

END OF COURSE (EOC) EXAMS

These exams are given near the end of the semester each year. EOC exams will be given in the following courses: Algebra I, Biology, Eng. II, and Government. The EOC exams will count for at least 10 % of the student's final grade for the class. Failure to take an EOC will result in a delayed graduation date.

HONORS DIPLOMA / PROGRAM

Purpose and Philosophy: Picture a student in a science classroom who asks, "Why is the cell so inefficient at capturing energy?" Imagine a student who completes reading *The Odyssey* in a week and wants to learn more about the philosophies of ancient Greece. Opportunities like these for further learning are at varying times student-driven or teacher-designed. Eldon High School is dedicated to embracing the philosophy of an inclusionary environment through differentiated instruction. In order to foster this goal in the midst of heterogeneous classes, we offer an Honors Program for students who have a strong desire to strengthen their depth of knowledge in a given subject. We believe that all students want to learn and respond to the opportunity for intellectual stimulation. Students may choose to take any number of honors courses throughout their career at Eldon High School. Students who meet specific requirements will have the opportunity to receive an honors diploma.

The following requirements must be met in order to receive this award:

1. A minimum of 13 honors courses, the equivalent of core graduation requirements. This would mean students must complete a minimum of 2 honors courses in Science, 3 honors courses in Social Studies and Math, and a minimum of 4 honors courses in Communication Arts.
2. Attendance must meet the A+ requirement of 95%.
3. Students must attain a 3.75 cumulative GPA on a weighted scale.
4. Achievement of ACT composite score of 23 or higher (national average is approximately 21).
5. EOC test scores of Proficient or Advanced in all areas required by the state.
6. Maintain a full-time schedule/attendance status. Students must enroll and complete 7 classes per semester for all four years.

Grades in honors courses will be worth 1.2 grade points. Class rank will be determined by

total grade points rather than by GPA. Summer school courses will neither hurt or help class rank.

A Seal of Excellence will be offered for students who excel in specific departments but may not qualify for the Honors Diploma. A student may receive up to three seals of excellence.

The following requirements must be met in order to receive this award:

1. A student must complete a minimum of 3 honors courses for Social Studies or 3.5 honors courses in Science, or 4 honors courses for all other core areas, with no semester grade lower than a B- in the subject area that the seal is being sought.
2. Attendance must meet the A+ requirement of 95%.
3. Students must attain a 3.2 cumulative GPA on a 4.0 scale.
4. Achievement of ACT score of 23 or higher (national average is approximately 21) in the tested subject area. English= English, Reading=Social Studies, Math=Math, Science=Science.
5. State required EOC test score of Proficient or Advanced in the subject area that the seal is being sought.
6. Maintain a full-time schedule /attendance status. Students must enroll and complete 7 classes per semester for all four years.

An Honors Committee will consider issues such as types of assessments, research, fine arts component of courses, and other implementation subjects. A representative from each of the four core areas, counselor, and high school principal will be included on the committee. This committee will also ensure consistency with staff changes, within departments, and between departments.

COURSE DESCRIPTIONS

LANGUAGE ARTS

(4 Language Arts credits required.)

ENGLISH I

Grade 9

1 credit

This course combines the study of grammar and literature and provides the foundation for all successive language arts courses. Students will read and respond to writings from a variety of cultures and genres through written and oral discussions. Students will practice writing improvement, including journals, paragraph essays and research. Students will evaluate and revise communications for clarity and apply the rules of Standard English.

HONORS ENGLISH I

Grade 9

1 credit

This course requires students to study grammar and literature in greater depth than English I and provides the foundation for successive advanced language arts courses. Students will read and respond to writings from a variety of cultures and genres through written and oral discussions. Writings will include dialectical journals, essays, and a research paper. Students will evaluate and revise communications for clarity and apply rules of Standard English.

Prerequisite: Teacher recommendation.

ENGLISH II

Grades 10-12

1 credit

This course is a thematic study of literature emphasizing literary terminology and analysis. The course is intended to develop higher order thinking skills and generate topics for research, expository essays, and argumentative presentations. Students will evaluate and revise

communications for clarity and apply rules of Standard English.

HONORS ENGLISH II

Grade 10 1 credit

This course continues the sequence of advanced language arts courses and requires students to study grammar and literature in greater depth than English II. This course is a thematic study of literature emphasizing literary terminology and analysis. The course is intended to develop higher order thinking skills and generate topics for research, expository essays, and argumentative presentations. Students will evaluate and revise communications for clarity and apply rules of Standard English.

Prerequisite: C or higher in Honors English I or teacher recommendation.

ENGLISH III

Grades 11-12 1 credit

This course continues the study of literature with a survey of American literature. The course is intended to develop higher order thinking skills. Representative literary selections will generate topics for essays which use a variety of methods of support. In addition, a literary analysis research paper is required. Extra emphasis is given in preparation for the English, Reading, and Writing portions of the ACT. Students will evaluate and revise communications for clarity and apply the rules of Standard English.

HONORS ENGLISH III-SEE COLLEGE NOW (pg. 37)

Grade 11 1/2 credit each semester

LIT 101-Introduction to Literature

LIT 107-American Literature

Three hours of college credit are available from SFCC for both LIT 101 and LIT 107 for students who meet eligibility requirements.

ENGLISH IV

Grade 12 1 credit

This course is designed to prepare associate/technical degree seeking students to continue development of higher-order thinking skills. Students will read and analyze writings from a variety of cultures and genres through oral discussions and written responses. Students will write essays, research papers, and business communications. Students will evaluate and revise communications for clarity and apply the rules of Standard English.

HONORS ENGLISH IV-SEE COLLEGE NOW (pg. 37)

Grade 12 1/2 credit each semester

ENG 101-English Composition 1

ENG 102-English Composition 2

Three hours of college credit are available from SFCC for ENG 101 and ENG 102 for students who meet eligibility requirements.

JOURNALISM

Grades 9-12 1 credit

(Not a Language Arts credit – counts as 1 elective credit)

Journalism is a full year laboratory course in which students will have an opportunity to learn the elements of computer-aided page layout, copywriting, basic digital photography, Photoshop, ad sales, marketing and principles of production. Students will produce the school yearbook. Students should recognize that some of their personal time will be needed to meet deadlines and sell ads. And above all, students must understand that they are part of a

business as well as a class. This is an approval course for grades 10-12.

** Classes in digital photography and Photoshop preferred but not required.

ENGLISH AS A SECOND LANGUAGE

Grades 9-12 1 credit

This class is offered to students who qualify. Students are screened for English language proficiency and those who qualify receive services.

FOREIGN LANGUAGE

SPANISH I

Grades 9-12 1 credit

This is an introductory course designed for students who wish to use the language as a means of communication. The four language skills (listening, speaking, reading, and writing) are developed. Basic grammatical concepts and cultural awareness are also introduced to aid the student's understanding of the numerous differences in languages and lifestyles. The language skills should serve both the college-bound student and the student who pursues technical training or employment.

SPANISH II

Grades 9-12 1 credit

This secondary course continues to develop the four basic skills listed above. All skills are more intense and refined. The student learns to write compositions, to make oral reports and is introduced to the reading of prose. Vocabulary and structural grammar are heavily stressed. Verbal communication in the target language in the classroom is emphasized at this level.

Prerequisites: C in Spanish I.

SPANISH III/IV

Grades 11-12 1 credit

Spanish III/IV is a continued study of the four skills with extensive emphasis on speaking, reading, writing, grammar and culture. Speaking in the target language in the classroom is a requirement at this level.

Prerequisite: B in Spanish II.

SCIENCES

(3 Science credits required, 2 with Science Waiver)

PHYSICAL SCIENCE

Grade 9 1 credit

This is a course is an Algebra based science course, in which students develop problem solving skills and strategies while investigating the fundamentals of chemistry and physics. Students will explore the structure and properties of matter, the nature of energy and its role in chemical reactions and the physical and chemical laws of nature. Study will include principles related to force and motion, matter, atomic theory, and chemical bonding. Exams will occur at the end of each chapter and there will be a comprehensive final at the end of the fall and spring semesters.

Prerequisite: B or higher in 8th grade science.

Recommendation from 8th grade teacher required. Current enrollment in Algebra I.

BIOMEDICAL SCIENCE*



Grade 9-12 1 credit

In this introductory course in the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine the factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and

research processes while allowing them to design their own experiments to solve problems.

*At the completion of this course, students take the PLTW end-of-course assessment. Some students may qualify for college credit if they achieve high enough marks on this exam.

HUMAN BODY SYSTEMS*



Grades 10-12

1 Credit

In this course, students examine the structures and interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. The systems are studied as “parts of a whole,” working together to keep the amazing human machine functioning at an optimal level. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions, such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal model, work through interesting real-world cases, and often play the role of biomedical professionals to solve medical mysteries. Students practice problem solving with structured activities and progress to open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

*At the completion of this course, students take the PLTW end-of-course assessment. Some students may qualify for college credit if they achieve high enough marks on this exam.

HONORS CHEMISTRY

Grades 10-11

1 credit

This course is lab and algebra-based and is the study of the properties, structure and interaction of matter. The course will cover atomic structure, periodic table, balancing

equations, the mole calculations, gas laws and acids and bases. This course is heavily mathematical and requires the ability to isolate variables in a formula, use of scientific notation, and familiarity with the metric system. Extra time outside of class is required. Any student considering a career in a science, technology, engineering, or medical field should take chemistry.

Prerequisites: C or higher in Algebra I, and B or higher in Physical Science and Science Teacher recommendation.

ADVANCED CHEMISTRY / HONORS ADVANCED CHEMISTRY

Grades 11-12

1 credit

The goal of this course is to provide the student with a strong background in many topics covered in the first year of college chemistry. Topics covered but not limited to: nuclear chemistry, solutions, thermodynamics, bonding and organic chemistry. This class will emphasize data collection, analysis and student’s ability to think through chemical problems. This class is lab-based.

Prerequisites: C or higher in Honors Chemistry and Science Teacher recommendation.

BIOLOGY

Grades 10-11

1 credit

Units of study include scientific methods of investigation, cell and cell processes, genetics, ecology and evolution. This is a lab based class where coursework is supplemented by current journal readings and small group research projects are required.

Prerequisites: Physical Science or Biomedical Science and Science Teacher recommendation.

HONORS BIOLOGY

Grades 10-11

1 credit

This course is a parallel to the biology class in content and structure. The key difference

between classes is the extra honors project that will cover the content that is required at the state and local level. This is a writing intensive course and extra time outside of class is required.

Prerequisites: B or higher in Honors Physical Science and Science Teacher recommendation.

PHYSICS / HONORS PHYSICS

Grade 11-12 1 credit

Physics is a lab-based science course designed to prepare students for college physics. It deals with both the qualitative and quantitative nature of the physical world around us. This class will have a strong emphasis on trigonometry-based mathematics. Labs and lab techniques are stressed in addition to work in the text. Some of the specific areas taught are mechanics, thermal dynamics, sound, light, and electricity.

Prerequisite: C or better in Honors Geometry and C or better in Physical Science.

SCIENCE RESEARCH

Grades 10-12 1 credit

This course is designed for students who are considering a career in a science related field. Interested students will be required to conduct individual research in the area of their choice and complete a research project that will be presented at competition. Some research is expected to be conducted outside of the school day. Class time will be used for research, data collection, and preparation of final projects.

Note: This class doesn't take the place of a core science credit.

INTRODUCTION TO HONORS COLLEGE BIOLOGY-SEE COLLEGE NOW (pg. 37)

Grades 11-12 1 credit

BIO 112-Introduction to College Biology with Lab
Five hours of college credit are available from SFCC for BIO 112 for students who meet eligibility requirements.

Prerequisite: B or higher biology or C in honors biology.

HUMAN ANATOMY-SEE COLLEGE NOW (pg. 37)
Grades 11-12 ½ credit

BIO 207- Human Anatomy with Lab

Four hours of college credit are available from SFCC for BIO 207 for students who meet eligibility requirements.

Prerequisite: B or higher biology or C in honors biology.

Honors HUMAN PHYSIOLOGY-SEE COLLEGE NOW (pg. 37)

Grades 11-12 ½ credit

BIO 208-Human Physiology with Lab

Four hours of college credit are available from SFCC for BIO 208 for students who meet eligibility requirements and earn a C or higher in BIO 207.

ENVIRONMENTAL GEOLOGY- SEE COLLEGE NOW (pg. 37)

Grades 11- 12 ½ credit

EASC 118-Environmental Geology

Three hours of college credit are available from SFCC for EASC 118 for students who meet eligibility requirements.

CAREER PATHWAY CONCENTRATION **SCIENCE OPTION- SCIENCE WAIVER**

Grades 10-11

This option allows 1 non-required science course to be replaced with a career concentration through the Eldon Career Center. Science course requirements would drop from 3 credits to 2 required courses.

If interested, see your advisor or a science teacher for an application. Completed

applications will be considered for approval by the Career Concentration Application Committee, made up of an administrator, science teacher and a counselor. It is highly advised students who earn a D or F in Physical Science/Principles of Biomedical Science consider the Career Concentration Science Waiver option.

MATHEMATICS

(3 Mathematics credits required)

ALGEBRA I

Grades 9-12 1 credit

Algebra I is a course designed to enable the student to understand the basic structure of algebra. The essential skills covered will be solving quadratic equations, creating linear functions, solving systems in two variables, and factoring polynomials. Basic statistics and data analysis will be introduced. Geometric figures and properties will be used in conjunction with algebraic concepts.

GEOMETRY

Grades 9-12 1 credit

Geometry is a course designed to introduce space and plane geometry. This would include the properties of figures such as lines, angles, triangles, circles, and quadrilaterals. Inductive and deductive reasoning are discussed in the class, and students will learn to do formal proofs. Basic trigonometric ratios will be used to solve right triangles. Students need a solid algebra background for this course.

Prerequisite: Algebra I.

HONORS GEOMETRY

Grade 9 1 credit

Honors Geometry is an intensive course covering the same material as Geometry, but with more emphasis on proof. Higher-order thinking skills and use of technology are

emphasized throughout the course. At least one research component will be included.

Prerequisite: B or higher in Algebra I.

INTEGRATED MATH

Grades 11-12 1 credit

Integrated math is a course designed for students to strengthen algebra skills as preparation for Algebra II. Integrated math will cover a variety of topics from different branches of math, including Algebra II, Geometry, and Statistics. Technology will be emphasized over algebraic manipulations.

Prerequisite: Algebra I and Geometry

MATH TECH I

Grades 11-12 ½ credit

Math Tech I is a course designed for students to strengthen mathematics reasoning skills as preparation for further coursework or the workforce. Students will understand and apply various geometric concepts including describing, measuring, and classifying two- and three-dimensional figures, measure with precision, and draw conclusions or make decisions using proportional reasoning (including using ratios, proportions, rates, and percentages to explain and make decisions).

Prerequisite: Algebra I and Geometry

MATH TECH II

Grades 11-12 ½ credit

Math Tech II course is designed for students to strengthen mathematics reasoning skills as preparation for further coursework or the workforce. Students will read, interpret, analyze and synthesize quantitative data (e.g., graphs, tables, statistics, survey data, etc.) and make reasoned estimates and inferences. Specifically, students will be able to: collect and organize data in graphs and tables, use descriptive statistics to interpret and analyze quantitative

data, and use probability to interpret and analyze quantitative data. Students will also create, apply, and use mathematical models to solve problems.

Prerequisite: Math Tech I (C- or teacher recommendation)

ALGEBRA II

Grades 10-12 1 credit

Algebra II helps the student to understand algebra as a study of the structure of the system of real numbers. Recognizing the techniques of algebra as a reflection of its structure, applying algebraic concepts, and perceiving the role of deductive reasoning are some of the skills that are covered. Students will appreciate the need for precise language and comprehend the concept of a function. The basic ideas and methods of coordinate geometry, along with properties of lines, circles and conic sections are studied.

Prerequisite: Algebra I and Geometry

HONORS ALGEBRA II

Grade 10 1 credit

Honors Algebra II extends concepts covered in Algebra II by focusing on applications. Regular Algebra II concepts are accelerated in order to extend areas such as functions, logarithms, sequences and series, and application problems. At least one research component will be included. Prerequisite: B or higher in Algebra I, and B or higher in Geometry.

COLLEGE ALGEBRA- MATH 133

Grades 11-12 1 credit

Three hours of college credit available from MO Baptist for College Algebra for students who meet eligibility requirements. This class meets the Core 42 requirement of MOTR MATH 130 Pre-Calculus Algebra.

College Algebra is an advanced algebra course

designed for the student whose intended college major does NOT require calculus. This is a college-paced course which will cover all objectives from a standard College Algebra course in a timely manner. In College Algebra, algebraic techniques are extended in such topics as equations, graphs, rational expressions, conic sections, exponents, logarithms, and sequences.

Prerequisite: B or better in Algebra II and Geometry.

HONORS PROBABILITY AND STATISTICS- MATH 243

Grades 11-12 1 credit

Three hours of college credit available from MO Baptist for Hon. Prob. & Stat. for students who meet eligibility requirements. This class meets the Core 42 requirement of MOTR MATH 110 Statistical Reasoning.

This course explains how to apply various statistical procedures, including measures of central tendency and variability, two-variable data analysis, probability, and probability distributions. Students will describe real sets of data, describe what the results of statistical tests mean in terms of their practical applications, evaluate the validity of the assumptions behind statistical tests, and decide what to do when statistical assumptions have been violated.

Prerequisite: C or higher in Algebra II.

HONORS PRE-CALCULUS AND TRIGONOMETRY- MATH 155

Grades 11-12 1 credit

Five hours of college credit available from MO Baptist for Hon. Pre-Calc. and Trig. for students who meet eligibility requirements. This class meets the Core 42 requirement of MOTR MATH 150 Pre-Calculus.

Pre-Calculus is designed to prepare students for a formal calculus course. Students will begin by fine-tuning algebraic techniques and methods, and incorporate graphing calculator use with

previously learned mathematics. Students will investigate exponents and logarithms, matrices, sequences and series. Students are introduced to the periodic functions sine and cosine, and use these functions to define the remaining circular functions. Graphs of the circular functions and the effects of parameter changes on them will be covered. The course also deals with application of trigonometric functions to right and oblique triangles.

Prerequisite: B or higher in Honors Algebra II or teacher recommendation.

HONORS CALCULUS- MATH 164

Grade 12 1 credit

Four hours of college credit available from MO Baptist for Calculus for students who meet eligibility requirements.

Calculus is intended to give students whose college curriculum includes a full three-semester sequence of calculus an initial orientation to the fundamental concepts of the course. The concepts, techniques, and applications of differentiation and integration will be the primary focus of the course. Students should have a high degree of understanding of geometry, pre-calculus, and trigonometry and should especially understand functions.

Prerequisite: C or higher in Honors Pre-Calculus and Trigonometry.

Other math courses available through SFCC: TECHNICAL MATH II-SEE COLLEGE NOW (pg. 37)

Grades 11-12 *½ credit*

MATH 108-Technical Math II

Three hours of college credit are available from SFCC for MATH 108 for students who meet eligibility requirements.

INTERMEDIATE ALGEBRA- SEE COLLEGE NOW (pg. 37)

Grades 11-12 *½ credit*

MATH 112-Intermediate Algebra

Three hours of college credit are available from SFCC for MATH 112 for students who meet eligibility requirements.

SOCIAL STUDIES

(3 Social Studies credits required)

WORLD CIVILIZATIONS

Grade 10 1 credit

Students will learn about various civilizations that have existed, how people lived under the changing conditions of time, how geography and economics influenced history, how people gained and transferred knowledge, and how mankind has pondered ideas and questions since the earliest times.

HONORS WORLD CIVILIZATIONS

Grade 10 1 credit

In this advanced course students will learn about various civilizations that have developed, existed, and changed throughout history. Focus will be on conditions, geography, economics, and belief systems and how each affected the development of the different civilizations. **This course is research, reading, and writing intensive.**

AMERICAN HISTORY

Grade 11 1 credit

This required course is a study of the American nation from its European background to the present. Included is specific emphasis on American political, social, religious, and economic activities and institutions, and the world in which we live.

HONORS AMERICAN HISTORY I & II-SEE COLLEGE NOW (pg. 37)

Grade 11 ½ credit each semester

HIST 101-U.S. History Before 1877

HIST 102-U.S. History Since 1877

Three hours of college credit are available from SFCC for HIST 101 and HIST 102 for students who meet eligibility requirements.

AMERICAN GOVERNMENT

Grade 12 1 credit

This course provides students with a basic understanding of how our economy works, the geography of our planet and an overview of the three levels of government (local, state, and national). Among the course objectives is instruction in the three branches of government and in the rights and responsibilities of a U.S. citizen. Assessing student's knowledge of the Missouri and United States Constitution is part of this course. Another objective of this course will be to supply the student with instruction in map skills and provide cultural awareness.

HONORS AMERICAN/NATIONAL GOVERNMENT-SEE COLLEGE NOW (pg. 37)

Grade 12 ½ credit

POLS 101- American/National Government

Three hours of college credit are available from SFCC for POLS 101 for students who meet eligibility requirements.

HONORS GOVERNMENT IN ACTION

Grade 12 ½ credit

This course is designed to help students acquire an understanding of government in action and the forces which create national and international issues. Students will develop the

ability to gather, organize, and evaluate facts about current issues as they relate to the political process. Participation in class discussion is crucial in this course.

Prerequisite: Students that take POLS 101 will need to take this course in order to fulfill their full credit of government.

ECONOMICS

Grades 9-12 1 credit

Economics is a full year course which is structured to provide students with a better understanding of how different financial systems work. Students will learn the workings of the three central systems: Communism, Socialism, and Capitalism. The basics of supply and demand, their relationships and operations, and the exploration of principles of macroeconomics and microeconomics will also be covered during the course.

*An embedded Personal Finance credit is available upon the passing of the Personal Finance EOC

CONTEMPORARY ISSUES

Grades 11-12 ½ credit

This course is designed to help students acquire an understanding of the forces which create national and international issues. Students will develop the ability to gather, organize, and evaluate facts about current problems, events, and issues. Active participation, discussion, and presentations are critical to this course.

ADDITIONAL SOCIAL STUDIES ELECTIVES -SEE COLLEGE NOW (pg. 37)

Grade 11-12 ½ credit

PSY 101-General Psychology (seated or online)

SOC 100-General Sociology (online)

ECON 101- Principles of Macroeconomics (online)

Three hours of college credit are available from SFCC for POLS 101, PSY 101, and SOC 100 for students who meet eligibility requirements.

PHYSICAL EDUCATION

(1 PE credit required)

PHYSICAL EDUCATION (WOMEN'S OR MEN'S)

Grade 9-12 1 credit

Through analysis, demonstration and actual practice of different games, students will be offered activities to improve needed physical, emotional, and cognitive skills for the future. Daily and weekly routines will focus on improving physical coordination and endurance. Information and activities will enrich the overall well-being of the student.

STRENGTH AND CONDITIONING (WOMEN'S OR MEN'S)

Grades 9-12 1 credit

This course is designed to assist students who are interested in strength and conditioning principles. The focus of this course is to develop power and speed that will assist in athletic improvement as well as promote a healthy lifestyle. Activities in the class will include but not be limited to: Olympic weightlifting, speed and agility drills, plyometrics, and core stability exercises. Students must have completed one semester of physical education prior to enrolling in this course or have instructor approval.

ADVANCED STRENGTH & CONDITIONING

Grades 10-12 1 credit

This course is designed to prepare student athletes for varsity athletic competition through education in the area of strength and conditioning. This will be a rigorous course that will demand a commitment to attendance and the willingness to be challenged physically and mentally. Advanced Strength and Conditioning will include but not limited to Olympic weightlifting, speed development, increased flexibility, mental training, weight gain and loss, sports nutrition, and other components that will ultimately prepare student athletes to compete at the collegiate level if desired.

Prerequisites: Students must have completed at least one semester of S & C, along with the recommendation from the Advanced S & C instructor.

Students must be currently participating or have committed to participate in at least one MSHSAA governed sport during the school year. Students must have approval from the Advanced S & C instructor if not qualifying for the above prerequisites.

HEALTH

(Required for all students.)

Grades 9-12 ½ credit

This course is a complete study of a student's total well-being, including a comprehensive study of the physical, social, mental, and emotional aspects of personal fitness. Typical topics included, but not limited to are: benefits of physical activity to health, health risks of physical activity, physical activity and weight control, and basic components of physical fitness.

WELLNESS-SEE COLLEGE NOW (pg. 37)

Grades 10-12 ½ credit

WELL 122-Applied Wellness

One hour of college credit is available from SFCC for WELL 122 for students who meet eligibility requirements and fulfills the high school health requirement

*Health Occupations can fulfill the health requirement.

FINE ARTS

(1 Fine Art credit required)

MUSIC

BAND

Grades 9-12 1 credit

Students who enroll for high school band are members of the concert and marching band and are required to participate in the activities of both groups. Color Guard members who do not play an instrument will only be enrolled in band first semester for marching band. There is no provision in high school for a beginner's class in band so students must have had prior training. Students new to the district will need director approval. In band, training emphasis is placed on developing a good ensemble sound, learning to read music notation, signs and symbols; developing self-discipline; studying a variety of band literature from the classics to the contemporary; preparing for performances and activities. This is a performance-based class.

Exceptions are made for students who are on the varsity football team; if they dress out for a game, they need not participate in band that night.

JAZZ ENSEMBLE

Grades 9-12 1 credit

This class is for band members who seek more opportunities to perform in a small group. Students spend the class period rehearsing in preparation for performances at such school activities as concerts, basketball games, community and other special events. This is a performance-based class.

Prerequisite: Teacher Approval

CHAMBER CHOIR

Grades 9-12 1 credit

The EHS Chamber Choir is a select group of singers with a heavy emphasis on performance. Topics to be covered in the course are healthy vocal production, music theory, sight singing, music history, and performance. The group will perform at several community events, contests, and concerts throughout the year. Since this course is performance based, students will need to commit to all performances. Auditions for this group are held each spring or as needed during the school year.

Prerequisite: Audition with the instructor.

WOMEN'S CHORUS

Grades 9-12 1 credit

Women's Chorus is open to any female student interested in singing. Topics to be covered in the course are healthy vocal production, music theory, sight singing, music history, and performance. There will be at least two performances a semester, with others added at the director's discretion. This group participates in the MSHSAA sanctioned music festival in the spring as part of their grade.

Prerequisite: Teacher Approval

MEN'S CHORUS

Grades 9-12 1 credit

Men's chorus is open to any male student interested in singing. Topics to be covered in the course are healthy vocal production, music theory, sight singing, music history, and performance. There will be at least two performances a semester, with others added at the director's discretion. This group participates in the MSHSAA sanctioned music festival in the spring as part of their grade.

Prerequisite: Teacher Approval

MIXED CHOIR

Grades 9-12 1 credit

The EHS Mixed Choir is a co-ed group of singers with a heavy emphasis on performance. Topics to be covered in the course are healthy vocal production, music theory, sight singing, music history, and performance. Since this course is performance based, students will need to commit to all performances. No audition required

SPEECH/THEATRE

INTRO TO SPEECH AND THEATRE

Grades 9-12 1 credit

This year-long course of Speech/Theatre participation consists chiefly of student participation rather than a “study” of the theatre. Most of the time spent in class is devoted to the development and presentation of mass communication activities. Included in the course are the oral interpretations of literature, the presentations of humorous and dramatic readings, the oral readings of prose and poetry. Students will also receive an introduction to Competitive Forensics and Debate.

ADVANCED SPEECH AND THEATRE

Grades 10-12 1 credit

This year-long course of Speech/Theatre participation consists chiefly of student participation rather than a “study” of the theatre. Most of the time spent in class is devoted to the development and presentation of mass communication activities. Included in the course are the oral interpretations of literature, the presentations of humorous and dramatic readings, the oral readings of prose and poetry, and the production of multi-act plays. Also included is the knowledge of stagecraft.

This course will require the attendance and participation in MSHSAA Speech/Drama tournaments.

Prerequisite: Intro to Speech and Theatre or equivalent experience, and teacher approval.

COMPETITIVE DEBATE AND FORENSICS

Grades 10-12

This year-long course will focus on preparing students to excel in interscholastic Speech and Debate Tournaments. Students will be required to compete in a "debate" event (Original Oratory, Extemporaneous Speaking, Public Forum, or Lincoln-Douglas) along with 2 other individual events. Class work will be a mixture of independent research and debating current MSHSAA topics. This course will require the attendance and participation in MSHSAA Speech/Drama tournaments.

Prerequisite: Intro to Speech and Theatre or equivalent experience, and teacher approval.

Course is only offered during 7th hour within Adv. Speech & Theatre.

PUBLIC SPEAKING-SEE COLLEGE NOW (pg. 37)

Grades 11-12 ½ credit

COMM 101-Public Speaking

Three hours of college credit is available from SFCC for COMM 101 for students who meet eligibility requirements.

ART

ART I

Grades 9-12 1 credit

Art is designed to provide the student with a foundation on elements and principles of design, basic drawing techniques and art history. The first semester is devoted almost entirely to drawing, painting and design elements (color, line value, texture, shape and form) using graphite, ink, crayon, charcoal, tempera, watercolor, acrylic paint and collage. Second semester is dedicated to clay and

three-dimensional forms in paper mache, fibers, plaster and other affordable materials. There will be 15 sketches required for this course. The text is *Discovering Art History* by Gerald Brommer. Membership in the Eldon Art Club is encouraged.

STUDIO ART

Grades 10-12 1 credit

This course is designed to introduce serious art students to a variety of art media and techniques. The scope of the course includes two-dimensional fine arts: drawing, painting, printmaking, pastels and colored pencils while focusing on landscape, portrait, figure, still life, perspective and abstraction. During the three-dimensional fine arts unit students will show proficiency in clay pottery, sculpture, weaving, and carving. Students will engage in the disciplines of art history, criticism, production, and aesthetics. Reflective and research writing are included as part of the course. Students will demonstrate appropriate use of equipment in accordance with established safety guidelines. There is a \$15.00 studio fee for this course. Studio Art can be repeated.

Prerequisite: Must have achieved at least a B in Art I and have teacher approval.

ART APPRECIATION-SEE COLLEGE NOW (pg. 37)

Grades 11-12 ½ credit

ART 101-Art Appreciation: Three hours of college credit is available from SFCC for ART 101 for students who meet eligibility requirements.

PRACTICAL ARTS

(1 Practical Art required)

INDUSTRIAL TECHNOLOGY

MATERIALS AND PROCESSES TECHNOLOGY I

Grades 9-12 1 credit

This class will study safety, product design, machines and their safe operation with woods and other materials as well as career related information. This is a hands-on course where students will design or select a design for a project that they will build using equipment designed to cut and shape these materials. Tools used include both hand and stationary machines and both manual and computer controlled equipment. Students will be using our *Tech Design Computer Lab* to learn software to design their projects and to program our computer controlled equipment for use on their projects. There is a \$20.00 fee for this class which includes safety glasses and basic consumable supplies.

MATERIALS AND PROCESSES TECHNOLOGY II

Grades 10-12 1 credit

This course is a continuation and expansion of the Materials and Processes Technology I course. This *hands-on* class requires the student to be self-motivated and will allow the student to explore more in depth various areas of technology. Focus on this class will be on expanded skill development, especially with our *Tech Design Computer Labs* design software and computer controlled equipment. There is a \$20.00 fee for this class which includes safety glasses and basic consumable supplies.

Prerequisite: Materials and Processes Technology I.

CREATIVE COMPUTER APPLICATIONS FOR ENGINEERING & TECHNOLOGY I

Grades 10-12 1 credit

IMAGINE*DESIGN*BUILD A hands-on course using 3D computer design and control software in our Tech Design Lab to create designs and programs to produce original products and others using our Computer Controlled (CNC) Laser, Wood Router, Milling Machine, and 3D Probe, plus other tools and equipment.

Prerequisite: Materials and Processes Technology II or Teacher Approval.

FAMILY AND CONSUMER SCIENCE

(These courses cannot be repeated)

NUTRITION, WEIGHT, AND WELLNESS

Grades 9-12 ½ credit

This semester course determines influences on personal food choices, comprehend nutrition principles, assess nutrition and wellness practices, how to manage good mental health, learn life-long workout forms, techniques, and types of workouts that can be done in many environments.

Physical activity will be part of this course as well as developing a nutrition plan and workout plan. A half PE credit will be applied with completion of this course

"Dressing out" is a requirement of this course.

CAREER & FAMILY LEADERSHIP

Grades 9-12 ½ credit

This semester course is an instructional program which identifies the components of leadership, examines self-development skills, and analyzes family systems, investigates family and consumer resources, examines aspects of nutrition, health and wellness, and explores career pathways in FACS related careers. Food preparation labs will part of this course as well as cooking safety.

INTERPERSONAL RELATIONSHIPS

Grades 9-12 ½ credit

Interpersonal Relationships encourages self-examination and critical thinking relative to adult-living. Areas of study include understanding oneself and others, dating, long-term committed relationships, family

systems, financial responsibility, parenting and the life cycle. This course encourages the development of the skills necessary for successful relationships in today's changing world.

ADDITIONAL COURSE OFFERINGS

PHILOSOPHY-SEE COLLEGE NOW (pg. 37)

Grades 11-12 ½ credit

PHIL 101-Introduction to Philosophy

Three hours of college credit are available from SFCC for PHIL 101 for students who meet eligibility requirements.

LEARN AND SERVE

Grade 12 ½ credit

Learn and Serve is a district-based service learning class. One must be a senior and meet the following standards in order to be eligible for the program:

1. Be an A+ eligible student
2. Possess a 2.5 or higher GPA (or be on target for a 2.5 GPA) and
3. Have and maintain at least a 95% cumulative attendance record.

The student will be placed with a teacher in the district for one period per day. One half of a credit per semester will be awarded the student if the following criteria are met:

1. The student accumulates zero unexcused tardies to and from their site.
2. The student accumulates zero unexcused absences from their Learn and Serve period.
3. The student performs teacher-assigned tutoring tasks in a spirit of cooperation.

4. The student keeps track of and turns in weekly time sheets signed by the teacher that the student is assigned to.

5. A one to two page summary describing the student's Learn and Serve experience is turned in before the end of the semester.

If the student meets the above criteria, the student will receive a grade of "pass." If the student fails to meet one of the above criteria, he or she will be in danger of receiving a grade of "fail."

****Students will not receive grade points towards class rank and this could affect class rank.****

SPECIAL EDUCATION

Core classes are offered in a resource setting to students with an Individualized Education Plan when his or her services on the Individualized Educational Plan require alternative placement. Small group instruction is given to assist the student in mastering the objectives that each core subject entails. The pace is fine-tuned to the student's needs so that the student experiences success while learning the objectives in each core course optimally. The resource core class is designed to follow the same course objectives as the regular class, and is given as rigorously as the student is able. Mastery of course objectives is the primary goal, and objectives are given in a format that will mastered will depend on the student's ability and motivation.



JAG- JOBS FOR AMERICA'S GRADUATES

Grades 9-12

1 credit

By teacher and administration approval only. JAG serves as a program to help young people to graduate from high school and make successful transitions to postsecondary education and meaningful employment. JAG is a voluntary in-school program that counts as a high school elective.



AGRICULTURE

AGRICULTURE SCIENCE I

Grades 9-12 1 credit

This motivating course introduces first year agriculture students to the basics of agriculture. Instruction will include animal production of swine, dairy, beef and poultry. Instruction also includes animal nutrition, animal selection and animal breeding. Students will be introduced to careers in agriculture, leadership skills offered through FFA, including their "Supervised Agriculture Experience" projects (SAEP) and the importance of record keeping. FFA will be an exciting component of this agriculture class. *FFA dues are required for membership. Students have the opportunity to compete on Career Development Event teams. --College Scholarships are available for students completing four years of Agriculture Classes.

AGRICULTURE SCIENCE II

Grades 10-12 1 credit

This course is for second year agriculture students. Students will receive instruction on soil science, plant science, forestry, entomology, and introduction to agriculture mechanics. Students will also receive instruction on

parliamentary procedure, written and verbal communication skills, while keeping accurate records on their Supervised Agriculture Experience Projects (SAEP). Like all agriculture classes, FFA is a strong component of this agriculture class.

Dues are required for FFA membership

Prerequisite: Ag Science I

ADVANCED PLANT SCIENCE-AGRONOMY

Grades 11-12 ½ credit

Offered 1st semester only

This course is designed for students interested in the growing and tending of plants and also the care and raising of animals. Instruction includes evaluation of grassland, soils, and wildlife along with plant identification. The class also includes crop judging, soil surveying, and animal reproduction and nutrition. *Supervised Agriculture Experience Program (SAEP) will be part of this curriculum as well as students developing their FFA leadership skills.

Dues are required for FFA membership

Prerequisite: Ag Science I and II

GREENHOUSE MANAGEMENT I & II

Grades 11-12 1 credit

Students will receive instruction on plant and flower identification and growth of plants commonly grown in Missouri greenhouses. Units of study include plant growth and development, plant propagation, greenhouse management, growing techniques, insect identification, and careers in the horticulture industry. Students will also participate in the Supervised Agriculture Experience Program (SAEP) and FFA leadership.

Prerequisite: Ag Science I and II

*Dues are required for FFA membership

Prerequisite: Ag. Science I and II

Students may articulate Greenhouse Mgmt. II with State Fair Community college to earn 3 hrs. of articulated credit.

LANDSCAPING/TURF MANAGEMENT

Grades 11-12

½ credit

Offered 2nd semester only

Students enrolled in this class will receive entry level hands-on training in landscaping homes and businesses. Students will also receive training for athletic field and golf course design and maintenance. Students will develop skills in plant identification and recommended plant uses. Instruction includes landscaping and landscape design and plant propagation. Students will also conduct a *Supervised Agriculture Experience Program (SAEP) along with FFA leadership.

***Dues are required for FFA membership**

Prerequisite: Ag Science I and II

ADVANCED ANIMAL SCIENCE

Grades 11-12

1 credit

This class concentrates on the practical application of science based principles of food and animal production. Subjects taught include: breeds of animals, animal reproduction, animal nutrition, animal products, food science, animal health, parturition, small animal management, animal selection, record keeping, and agriculture leadership. Livestock Evaluation will be taught. Each student will receive basic training in record keeping through the development of a Supervised Agriculture Experience Program or (SAEP). In addition each student will receive training in public speaking and parliamentary procedure, as well as be given opportunities to participate in Leadership and skill contests. Students will continue to develop their FFA leadership skills. FFA dues are required for membership.

Prerequisite: Ag Science I and II

Students may articulate Advanced Animal Science with State Fair Community college to earn 3 hrs. of articulated credit.

VET SCIENCE

Grades 11-12

1 credit

This course will develop students' understanding of the large, small, and companion animal industry, animal anatomy and physiology, animal nutrition, animal reproduction, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Since FFA and Supervised Agricultural Experience Programs (SAEPs) are integral components of this course, students are required to maintain SAEPs, and be a member of FFA while participating in activities of the FFA Organization.

Prerequisite: Ag Science I and II

FOOD SCIENCE

Grades 11-12

1 credit

This course includes the areas of food chemistry and nutrition, food additives, food packaging and labeling, evaluation of foods, food microbiology, food processing, food fermentation, principles of sanitation and quality control.

Prerequisite: Ag Science I and II

AGRICULTURE CONSTRUCTION I & II

Grades 11-12

1 credit

This hands-on course is designed to teach students the basics of metal fabrication. Large lab projects will be constructed using advanced agriculture mechanics skills. Students will learn power tool usage, Arc welding, MIG welding, oxy acetylene cutting, as well as planning and fabrication of projects. FFA leadership is also an important component to this course. Students

will maintain their personal record book on their *Supervised Agriculture Experience Program (SAEP).

Prerequisite: Ag Science I and II

AG MECHANICS & STRUCTURES I & II

Grades 11-12 1 credit

This course includes the completion of large lab projects using advanced agriculture construction skills like electrical wiring, plumbing, concrete and masonry, and woodworking. Students learn safe power tool usage, construction planning, and fabrication processes. Maintenance of small gas engines is also covered. Students will conduct a *Supervised Agriculture Experience Program (SAEP), along with continuing FFA leadership training. Students have the opportunity to compete on Career Development Event teams. FFA dues are required for membership.

Prerequisite: Ag Science I and II

AGRICULTURE BUSINESS

Grades 11-12 1 credit

This course is designed for students interested in money management and profit maximizing principles. Instruction includes cost analysis, budgets, supply and demand, investment analysis, income tax management, marketing and sales. Students will also learn proper techniques for filling out resumes, applying and interviewing for jobs. Students will also learn to prepare and make a sales presentation. Students will maintain their personal record book on their *Supervised Agriculture Experience Program (SAEP) along with FFA leadership.

Prerequisite: Ag Science I and II

Includes Embedded Personal Finance-this is for students who opt out of taking a semester of Personal Finance. They must take the course

for a year and pass a test to receive their Personal Finance credit.

Students may articulate Ag Business with State Fair Community college to earn 3 hrs. of articulated credit.

AGRICULTURAL COMMUNICATIONS

Grades 11-12 1 credit

This course will be based on agriculture communications and how to effectively inform the public of the importance of agriculture as well as how to present timely information to the public. Discussion of communication theory, photographic journalism, business writing, resumes, journalistic writing, broadcast media, graphic design, creating presentations, delivering presentations and parliamentary procedure will be covered. Methods of presentation will include lecture, class discussion and multimedia. Authentic products will be published and communicated.

Prerequisite: Ag Science I and II

AGRICULTURE OCCUPATIONAL EDUCATION (AOE)

Grade 12 1 credit

Agriculture students can earn one or two units of credit their senior year by working in an approved agriculture related job. Students must be enrolled in one other agriculture class during their senior year. Students can be released for a maximum of 2 hours during the school day and must work at least 10 hours per week per credit.

Prerequisite: Teacher Approval

BUSINESS & MARKETING

COMPUTER APPLICATIONS

Grades 9-12 ½ credit

This course is designed to help students master beginning and advanced skills in the areas of word processing, database management, spreadsheet applications, desktop publishing, multimedia, Internet usage, and integrated software applications. Students will be provided hands-on experience using Microsoft Office 2016 to create professional business documents.

INTRODUCTION TO BUSINESS

Grades 9-12 ½ credit

This course is designed to expose students to many functions of modern business. It shows students how these functions exist in a changing society and the type of decisions which must be made within that environment. The course also exposes students to the multitude of careers in the field of business. Topics such as business environment, management, organization, marketing, human resources, advertising, business law, finance, accounting, sales and data processing are discussed in an introductory manner. Students will complete many class projects throughout the course.

ACCOUNTING I

Grades 9-12 1 credit

Instruction in accounting plays an important role for students who are preparing for accounting careers after graduation-employment or higher level education. It is also a crucial component of academic backgrounds for students who will pursue entrepreneurial ventures and small business ownership. All students, regardless of their occupational choice, can benefit from accounting instruction since it is an integral part of every business institution and organization. This course is designed to build a basic understanding of manual and automated accounting principles, concepts, and procedures. Activities include using the accounting equation, completing the accounting cycle, entering

transactions to journals, posting to ledgers, preparing end-of-period statements and reports, managing payroll systems, completing banking activities, calculating taxes, and performing other related tasks.

***Students (grade 9-12) will also earn a Personal Finance credit by completing this class and passing a Personal Finance EOC test.**

ACCOUNTING II-IV

Grades 10-12 1 credit

This course is a continuation of Accounting I, involving more advanced problems which will help students in preparing for accounting and business careers. Computerized accounting activities are used throughout the course. Departmentalized accounting, general accounting adjustments, corporation accounting, management accounting and not-for-profit accounting are studied. This course introduces QuickBooks accounting software.

Students may articulate this class with State Fair Community College to earn three hours of articulated credit.

Prerequisite: C in Accounting I.

PERSONAL FINANCE- Required

Grades 11-12 ½ credit

Understanding and managing personal finances are key to one's future financial success. This one-semester course is based on the Missouri Personal Finance Competencies and presents essential knowledge and skills to make informed decisions about real world financial issues. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions and to

make effective use of income to achieve personal financial success.

INTRODUCTION TO PERSONAL FINANCE-SEE COLLEGE NOW (pg. 37)

Grades 11-12 ½ credit

BADM 107-Personal Finance

Three hours of college credit are available from SFCC for BADM 107 for students who meet eligibility requirements and fulfills the high school requirement of personal finance.

MARKETING DYNAMICS

Grades 9-12 ½ credit

The Marketing Dynamics program provides students with an in-depth look at the different areas of marketing. Students will explore market segmentation, market research, international marketing, product branding, packaging and labeling. Students will create business cards, billboards, magazine ads, radio, and television advertisements. In addition, students will learn how to develop headlines, copy, illustrations and business identifications. They will plan, develop, and implement advertisements for print and broadcast media. If you like being creative, this is the course for you!

TRAVEL AND TOURISM

Grades 9-12 ½ credit

This course introduces students to vast career opportunities in the travel & tourism industry. Instruction includes principles of travel industry operations and procedures, convention & event planning, tourism marketing and promotion strategies, hotel and lodging facilities, and food services and recreation. Students will be given the opportunity to experience different cuisines from other cultures in a ‘Taste of the World’ food day series.

MICROCOMPUTER APPLICATIONS

Grades 10-12 ½ credit

CAPP 125-Microcomputer Applications

Three hours of college credit are available from SFCC for CAPP 125-Microcomputer Applications for students who meet eligibility requirements.

The study of Microsoft Office 2016 software is covered in depth. Applications include fundamentals of spreadsheets, word processing, databases, and presentation software. Using Word, students will create fliers, letters, resumes, and application letters. During Excel instruction, numerical data will be used to prepare and generate charts. Access is used to organize data into tables and produce reports. Powerful and colorful presentations will be prepared and delivered incorporating text and the latest features of PowerPoint.

Prerequisites: Independent Study only and Instructor Approval

INTRODUCTION TO BUSINESS-SEE COLLEGE NOW (pg. 37)

Grades 11-12 ½ credit

BADM 101-Introduction to Business

Three hours of college credit are available from SFCC for BADM 101 for students who meet eligibility requirements

COMPUTER INFORMATION TECHNOLOGIES
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Certificate will be awarded after the successful completion of any four credits.

COMPUTER SCIENCE ESSENTIALS (CSE)



Grades 9-12 1 credit

Students will learn text-based programming with languages such as Python to create apps

and develop websites, and learn how to make computers work together to put their design into practice. They'll apply computational thinking practices, build computer science vocabulary and collaborate just as computing professionals do to create products that address topics and problems important to them.

Prerequisites: Algebra 1

Students may articulate CSE with State Fair Community College to earn up to three hours of articulated credit.

COMPUTER SCIENCE PRINCIPLES (CSP) **PLTW**

Grades 10-12 1 credit

Using Python as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generates excitement about career paths that utilize computing, and introduces professional tools that foster creativity and collaboration. Computer Science Principles helps students develop programming expertise and explores the workings of Internet projects and problems which include app development, visualization of data, cybersecurity, and stimulation.

Prerequisites: Algebra I

Students may articulate this class with State Fair Community College to earn up to six hours of articulated credit.

COMPUTER SCIENCE A (CSA) **PLTW**

Grades 11-12 1 credit

Computer Science A focuses on further developing computational-thinking skills through the medium of Android App development for mobile platforms. The course utilizes industry-standard tools such as Android Studio, Java programming language, XML, and device emulators. Students collaborate to create original solutions to problems of their own

choosing by designing and implementing user interfaces and Web-based databases.

Prerequisite: Algebra II

Students may articulate CSA with State Fair Community College to earn articulated credit.

DESIGN DRAFTING/ PRE-ENGINEERING

INTRODUCTION TO ENGINEERING DESIGN (IED) I AND II **PLTW**

Grades 9-12 1 credit

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software and use an engineering notebook to document their work.

Students may articulate this class with State Fair Community College to earn up to six hours of articulated credit.

Prerequisite for IED II: IED I and teacher approval.

CIVIL ENGINEERING & ARCHITECTURE (CEA) **PLTW**

Grades 9-12 1 credit

Civil engineers and architects design, build, and protect the infrastructure that modern society depends on. This course will introduce students to the planning, designing, surveying, and construction of today's infrastructure such as bridges, houses, dams, highways, and more. Opportunities for students to develop skills through projects, the latest CAD systems, and cutting edge survey equipment will be presented. Examples of projects include: building models of balsa wood bridges and testing them for strength, surveying,

topographic models, and drawing house plans and topographic surveys.

Students may articulate this class with State Fair Community College to earn three hours of articulated credit.

3D ANIMATION I AND II

Grades 9-12 1 credit

You will use 3ds Max software to visualize virtual reality designs such as buildings and machines. You will transfer designs created in other programs into 3ds MAX to add lighting and materials then render to still image or movie format. Prepare to be entertained and fascinated by the awesome power at your fingertips. With 3ds Max you can create 3D places and characters, objects and subjects of any type. You can arrange them in settings and environments to build the scenes for your movie or visualization. You can animate the objects and characters, set them in motion, make them speak, sing and dance or kick and fight.

Recommendations: Computer Applications

Prerequisites: 3Ds Animation I and teacher approval.

Students may articulate this class with State Fair Community College to earn three hours of articulated credit.

GRAPHIC COMMUNICATION/ DIGITAL MEDIA

Certificate will be awarded after completion of at least four credits.

DESKTOP PUBLISHING

Grades 9-12 ½ credit

If you're intrigued by the design of print media then this class is for you. Challenge your creativity. Incorporate typography and design principles into visual communications. Design real world projects such as logos, magazine covers, advertisements, newsletters and posters.

You'll use Microsoft Publisher, Adobe InDesign (for page layout and design), and create vector art using Adobe Illustrator, the required tools of professional graphic designers.

ADOBE PHOTOSHOP

Grades 9-12 ½ credit

Are you ready to let your imagination soar? Prepare to take your ideas into the world of digital photography. Adobe Photoshop is a semester course designed to teach skills and concepts needed to design and edit computer graphics and images into digital artwork. Students will take pictures and concentrate on graphic manipulation. Learn to enhance your pictures with image editing, retouching, and color correcting. This is a great class for the student interested in advertising, journalism, marketing, web design, and desktop publishing.

DIGITAL PHOTOGRAPHY

Grades 9-12 ½ credit

Photography captures moments in time through light and allows us to see the world through different perspectives either as the viewer or the photographer. The ever evolving technology of photography is exciting and inspiring. This photography course is designed to give students experiences with the creative and technical aspects of photography. Students will understand the photography triangle which includes aperture, shutter speed, and iso. Students will use digital cameras and Adobe Photoshop to shoot, compose, manipulate and edit digital photographs. They will be allowed to go outside and shoot assignments, based on what they are learning. Students will post their photography work and writing on their blog sites. Becoming a member of FBLA is strongly recommended for digital media classes.

Prerequisite: Adobe Photoshop

DIGITAL VIDEO PRODUCTION

Grades 9-12

½ credit

How do they render the special effects in the latest movies? How is mood developed in short films? What techniques are used when encoding video onto DVDs? Find out as you work with cutting edge hardware and software to let your imagination come to life digitally. Learn to manipulate audio in Audition as you record your own voice to use in projects. Use Adobe Photoshop, Premiere and Audition to produce commercials, short films and more! Students must possess strong file management skills as well as being able to work on multiple projects at one time. Be prepared to be behind the camera as well as in front of it.

ADVANCED DIGITAL PHOTOGRAPHY

Grade 10-12

½ credit

This is an advanced course in Digital SLR photography. Students will explore technical, artistic, and commercial aspects of photography. The course will include on and off camera flash techniques, studio strobe usage, advanced digital camera operations and creative digital darkroom techniques with the use of Lightroom and Photoshop software. They will also produce a website for their photography work. Becoming a member of FBLA is required for advanced Digital Media courses.

Prerequisite: At least a C in Digital Photography

HEALTH OCCUPATIONS

HEALTH OCCUPATIONS

Grade 11-12 (preference to grade 12)

3 credits

Health Occupations is a one year career-driven, college bound course for the student interested in the healthcare field. Health Occupations gives you the opportunity to explore and observe first hand; dentists, dieticians, lab technicians, physical therapists, nurses and other health professionals that work together as a team. Students learn about the health care delivery system, proper communication and observation skills, medical terminology, basic anatomy and physiology, life stages and essential health care procedures. All students will become CPR certified and will be able to obtain vital signs by the completion of the course. Clinical experiences and observations are provided in various healthcare facilities such as hospitals, nursing homes, doctors' offices, health departments and veterinary clinics. Students are required to purchase a uniform, name tag, TB test, criminal background check and immunizations. Students are required to join the student organization SkillsUSA.

Students may articulate this class with State Fair Community College to earn five hours of articulated credit.

INDUSTRIAL & ENGINEERING TECHNOLOGY

AUTOMOTIVE TECHNOLOGY I & II

Grades 11-12

3 credits

In this hands-on program in the transportation pathway, students will learn to make quick and accurate diagnosis and will then utilize the state of the art tools and equipment for repair and/or service. Our lab is set up to reflect the proper safety and service procedures found in contemporary auto service centers. Instruction is provided by an ASE certified instructor, the curriculum is approved by Automotive Service Excellence (ASE). Service and/or repair of the following automotive systems will be carried out by the student: Engine Repair, Suspension and Steering, Brakes, Electrical and Electronic Systems, Heating and Air Conditioning, and

Engine Performance. The Automotive Technology Program is designed to provide students with the fundamental skills necessary to become an entry-level automotive service technician or to advance onto college training.

POWER SPORTS TECHNOLOGY

INTRODUCTION TO POWER SPORTS TECHNOLOGY

Grades 9-12 1 credit

This introductory course is for students interested in Power Sports and Power Equipment repair careers. Students will learn shop safety skills, basic tool identification and use, operation, and basic repair and maintenance of power sport and outdoor equipment (ie engines for lawn mowers, go-kart engines, mini-bikes, weed eaters, blowers, etc.)

POWER SPORTS TECHNOLOGY

Grades 10-12 3 credits

This course is for students that enjoyed the Intro. to Power Sports Technology course. Students will continue to learn in-depth repair and maintenance procedures. Actual work from customers will be used to challenge students as they diagnose and repair equipment.

Prerequisite: C or better in Intro. to Power Sports Technology

CONSTRUCTION TRADES

INTRODUCTION TO CONSTRUCTION TRADES

Grades 9-12 1 credit

The construction industry is in desperate need of skilled workers to enter their high wage field. Gain a beginner's knowledge through a hands-on practice of the different areas within the construction trades. Experiences may

include sketching floor plans, floor and wall construction, sheetrock installation, laying ceramic tile, house wiring, plumbing, and woodworking. This course will also prepare you to enter the Building Trades' block program at ECC where you will build a home in the Eldon area.

BUILDING TRADES I & II

Grades 11-12 3 credits

This program provides a wide range of skills and experiences through completion of a residential home project in the Eldon area. Students learn how the building industry works, what its standards are and the necessity to function as a team with other workers to complete a project on time and at a predetermined cost. In addition, experiences in the areas of residential wiring and residential plumbing are provided. Students learn building codes, site selection and layout, building materials and estimating construction costs, footings and foundations, frame construction, wiring, plumbing, deck construction, door and window installation, siding installation, brick and masonry construction and other related construction procedures. After completion of the program opportunities are available in union apprenticeship programs such as: carpentry, masonry, interior painting, ceramic tile installation, electrical, heavy equipment operation and others. Students will be participating in the OSHA 10-hour Construction Industry safety course and upon passing the course will receive an OSHA card. All students are required to participate in the technical student organization, SkillsUSA, by providing a \$15.00 membership fee.

Prerequisite: C or higher in Building Trades I in order to take Building Trades II.

Students may articulate Building Trades I & II classes with State Fair Community College to earn up to six hours of articulated credit.

LAW ENFORCEMENT SERVICES

Introduction to Law Enforcement

1 credit

Grades 9-12, priority given to upperclassmen

This course examines the history of policing in the United States and an overview of the relationship between law enforcement and the American society. It includes an examination of the duties of law enforcement officers, the operations of police agencies, police-community relations, the police subculture, and the need for police objectives to conform to constitutional procedures.

*Students are eligible to enroll in SFCC's *CJ 101: Introduction to Law Enforcement* 3-credit hour course and attain dual credit by successful completion of this course, if they meet all qualifications. See instructor for details.

Introduction to Criminal Justice 1 credit

Grades 9-12, priority given to upperclassmen

This course examines the history, development and function of the criminal justice system in America. It will examine the three major components of the system: police, courts and corrections, as well as their interrelations.

*Students are eligible to enroll in SFCC's *CJ 102: Introduction to Criminal Justice* 3-credit hour course and attain dual credit by successful completion of this course, if they meet all qualifications. See instructor for details.

Patrol Procedures

1 credit

Grades 10-12, priority given to upperclassmen
Intro to Law Enforcement or Intro to Criminal Justice are prerequisites

This course is a hands-on application experience for students interested in entering the field of law enforcement. Hands-on procedures include, but aren't limited to: vehicle stops, traffic enforcement, patrol tactics, evidence collection & handling, pedestrian checks, bias crimes and other investigative work. Time will be spent conducting physical training as the law enforcement field is physically demanding. Students will be asked to 'dress out' in athletic wear in order to participate in PT.

EDUCATION/ TEACHING

INTRO TO TEACHING PROFESSIONS

Grades 9-12

1 credit

The Career Pathways for the Teaching Profession program focuses on the general theory and practice of learning and teaching; the basic principles of educational psychology; the art of teaching; the planning and administration of educational activities; school safety and health issues; and the social foundations of education.

METHODS OF TEACHING

Grades 10-12

1 credit

This course focuses on the methods of teachings that are applicable across subject areas and grade levels and in various teaching situations, at the elementary and secondary levels. This includes student-centered and teacher-centered instructional strategies as well as the broader curriculum framework that makes these strategies meaningful. A variety of instructional

formats will be used, in part to model the types of lessons that students will be designing, and later implementing during their teaching practicum.

This is research/presentation intensive class.

***This is the second course in the Introduction to Teaching Program. 3 hours of dual credit are offered through the University of Central Missouri for this course.**

***This is the final course in the Teaching Professions Program. 1 credit hour of dual credit is offered through the University of Central Missouri for this course.**

Prerequisites: Teaching Professions and Methods of Teaching.

TEACHING PRACTICUM

Grades 11-12

1 credit

Teaching Practicum is the final step in the education career thread. Effective teaching, like any other skill, requires practice and the guidance of educators. This second teaching practicum provides future teachers the benefit of instructional expertise and mentoring of faculty within his/her own discipline. The practicum also gives future educators the opportunity to write and teach lessons, to experiment with teaching techniques in an environment where they can consult with supervising and cooperating teachers. The teaching practicum is not an independent teaching experience. Rather it is one that provides feedback and supervision by an educator who oversees a 'guided teaching/learning' experience. The practicum can be completed in an educator's class where the teacher remains the primary instructor for the class and the student will tutor, assist and teach lessons. Evidence must be provided that documents in-class instruction and a range of supervisory and reflective experiences. The teaching practicum should be designed to give the student actual teaching experience and developmental feedback. Practicum students should be involved in lesson planning and implementation in this course throughout the semester.



ECC ARTICULATED PROGRAMS

The following programs at Eldon Career Center have articulated with programs at State Fair Community College and Ozarks Technical Community College. The column on the left is the list of ECC programs and the column on the right lists the State Fair Community College programs that can be articulated. In order for the student to receive articulated credit they must:

1. Meet the program prerequisites as established by State Fair and stated in the college catalog.
2. Students shall have **earned grades of "B" or better** in all Career Center coursework and mastered all competencies.
3. Students recommended for credit by the Career Center instructor, counselor or director on the "Articulated Credit Recommendation" form.
4. Students must enroll at State Fair within one year of high school graduation (traditional students) or within one year of completion of an adult program (non-traditional students)

ECC DUAL CREDIT

Courses for dual credit are offered through the ECC in the Teaching Professions, Law Enforcement, and in select business classes. For classes offered through SFCC, please see the requirements listed on the College Now page (pg. 37). For teaching classes offered through UCM, please visit with your instructor. EHS Dual credit math is offered through MO Baptist University.

Articulated Credit

STATE FAIR & OTC

ECC Course	SFCC Course (Hours)	OTC Course (Hours)
Accounting	Applied Accounting Procedures (3)	
Advanced Animal Science	Animal Science (3)	Animal Science (4)
Greenhouse Management II	General Horticulture (3)	General Horticulture (3)
Ag Construction I	Intro. to Welding (4)	
Ag Construction II	Structural Layout & Fabrication (3)	
Ag Business	Intro. to Agribusiness Systems (3)	Agriculture Business (3)
Intro. to Engineering	Manufacturing Design II (3)	Fund. of Drafting (4)
Civil Engineering & Architecture	Architectural Design (3)	Residential Arch. Drafting (4)
3Ds Animation	3D Visualization (3)	
Computer Science Essentials	Networking Essentials (3)	Tech. & Digital Literacy (3)
Computer Science Principles		Intro. to Comp. Programming (3)
Computer Science A	PC Hardware (3) AND PC Operating Systems (3)	Java Programming I (3)
Building Trades I	Construction Methods I (3)	
Building Trades II	Construction Methods II (3)	
Health Occupations	Medical Terminology I (3) AND Nursing Fundamentals (2)	
Digital Video Production		Digital Video Production (3)



Dual Credit w/ State Fair



ECC Course



Intro. to Law Enforcement
Intro. to Criminal Justice

Intro. to Law Enforcement (3)
Intro. to Criminal Justice (3)

Microcomputer Applications
Intro. to Personal Finance

Microcomputer Applications (3)
Intro. to Personal Finance (3)

Dual Credit w/ UCM



ECC Course



UNIVERSITY OF
**CENTRAL
MISSOURI**
LEARNING TO A GREATER DEGREE

Methods of Teaching
Teaching Practicum

Intro. to Teaching Profession (3)
Intro. to Field Experience (1)

Credit for Prior Learning w/ State Tech

Credit for Prior Learning is a way for students to obtain credit for their knowledge, skills, and previous experience at no cost.

Test Out: Earn credit by demonstrating college-level knowledge and skills obtained outside of college through course-specific examinations/test outs and hands-on-demonstration of knowledge and skills.

Credential: Students who possess a valid license or industry credential that is equivalent to a course offered at State Technical College of Missouri may be awarded credit for that course.



CAREER PATHS

CAREER PATHS- Career paths are clusters of occupations/careers that are grouped because many of the occupations in them share similar interests and strengths. All paths include a variety of occupations that require different levels of education and training. Selecting a career path provides a student with an area of **FOCUS**, along with **FLEXIBILITY** and a **VARIETY** of ideas to pursue.

Career Paths are for **ALL STUDENTS**. By selecting a career path, the student can prepare for the future, regardless of interests, abilities, talents, or desired level of education. All paths have equal dignity.

Deciding on a career path can help the student prepare for the future. The intent is not to decide on a specific occupation for the rest of the student's life, but to select a career path in which one can begin directing his/her energies. Identifying a career path can help in selecting school courses, activities, and part-time employment.

A career path choice is not a permanent commitment. As the student has new experiences and learns new things about oneself, the career path may change. If the student decides on a new career path he/she should discuss it with the counselor and adjust future course selections in accordance with the new career direction.

CAREER PATHS AND COURSE SELECTION

Of the 25 units of credits required for graduation, 8 are elective classes chosen by the student based on personal and/or career goals. We encourage students to select elective classes based on their career path. See charts at the end of the Career Planning Guide for additional information.

DESCRIPTION OF CAREER PATHS

Arts and Communications

Occupations in this career path are related to the humanities and the performing, visual, literary, and

media arts. These may include architecture, interior design, creative writing, fashion design, film, fine arts, graphic design and production, journalism, languages, radio, television, advertising, and public relations.

Business, Management & Technology

Occupations in this path are related to the business environment. These may include entrepreneurship, sales, marketing, computer information systems, finance, accounting, personnel, economics, and management.

Health Services

Occupations in this path are related to the promotion of health and the treatment of disease. These may include research, prevention, treatment, and related technologies.

Human Services

Occupations in this path are related to economic, political, and social systems. These may include education, government, law and law enforcement, leisure and recreation, military, religion, childcare, social services, and personal services.

Industrial and Engineering Technology

Occupations in this path are related to the technologies necessary to the design, develop, install, and maintain physical systems. These may include engineering, manufacturing, construction, services, and related technologies.

Natural Resources/Agriculture

Occupations in this path are related to agriculture, the environment, and natural resources. These may include agriculture sciences, earth sciences, environmental sciences, fisheries, forestry, horticulture, and wildlife.

College Now Program

Student Eligibility for Dual Credit

SFCC follows the College Board of Higher Education's (CBHE) Policy for the Delivery and Transferability of Credit in Dual Credit Program Offered in High Schools.

Student Eligibility:

1. Maintain a high school GPA of 3.0 (on 4.0 scale)
2. Meet the college's mandatory English, reading, and/or math placement test requirements in any of these categories
 - a. Accuplacer Next Generation scores of 250+ in both sections of Reading and Writing **OR**
 - b. Official ACT score of 18+ in both English and Reading
3. Be a high school sophomore, junior or senior (*freshman are eligible if they score in the 90th percentile of their ACT Cohort in respective subject areas; sophomores may take some classes*)
4. Be recommended by high school principal or designee

Enrollment Procedures

Student application forms will be provided to the high school counselor or a designee (dual credit instructors sometimes coordinate enrollment of students). You may print additional application forms by going to www.sfccmo.edu/dualcredit, and click on Application.

The following items are needed for enrollment:

1. Apply online at https://starsb.sfccmo.edu/PROD/dual_credit.student_app
2. Complete course registration form including necessary signatures and turn in to Mrs. Jenkins
3. Copy of most recent high school transcript (attached to application)
4. Copy of appropriate placement score (ACT or Accuplacer) attached to application
5. Payment for course. SFCC will bill students' home address.

The cost of College Now/dual credit courses for the 2020-2021 school year are currently set to \$79 per credit hour for on campus courses and \$94 a credit hour for online courses. Most courses are 3 credit hours per semester. For one on campus class, such as HIST 101 (Honors American History), the cost would be $\$79 \times 3 = \237 per semester; for an online class such as SOC 100- Intro to Sociology the cost would be $\$94 \times 3 = \294 . There are some exceptions to these costs including some science classes requiring a \$100 lab fee in addition to tuition as well as other possible course fees.

Students that qualify for free/reduced lunch are now eligible for tuition fee waivers offered through SFCC, see Mrs. Jenkins for more info.

Beginning junior year, dual credit opportunities are more available. However, in order to fulfill the Associate of Arts degree requirements, it is important to visit with Mrs. Jenkins in the counseling office as early in the academic planning process as possible. If you have questions, please visit with Mrs. Jenkins.

Science Waiver information and sample application:

Career Pathway Choices

Must choose at least two credits within one pathway to be considered.

BUSINESS, MANAGEMENT & TECHNOLOGY

BUSINESS/MARKETING

Accounting, Introduction to Business, Desktop Publishing, Marketing Dynamics, Computer Applications, Travel & Tourism

COMPUTER SCIENCE

Computer Science Essentials (CSE), Computer Science Principles (CSP), Computer Science A (CSA), Introduction to Engineering Design (IED)

HUMAN SERVICES

PUBLIC SAFETY

Introduction to Law Enforcement, Introduction to Criminal Justice, Patrol Procedures

EDUCATION

Introduction to Teaching Professions, Methods of Teaching, Teaching Practicum I/II, Career & Family Leadership, Interpersonal Relations

NATURAL RESOURCES & AGRICULTURE (any combination accepted)

BUSINESS & LEADERSHIP

Ag Science II, Ag Business Management & Sales, Ag Communications

ANIMAL SCIENCE

Ag Science II, Food Science, Advanced Animal Science, Vet Science

PLANT SCIENCE

Ag Science II, Advanced Plant Science, Greenhouse I/II, Landscaping & Turf Management

POWER & STRUCTURES

Ag Science II, Ag Mechanics & Structures I/II, Ag Construction I/II

ARTS & COMMUNICATION

Adobe Photoshop, Digital Photography, Digital Video Production, Desktop Publishing, Advanced Photography, Studio Art, Journalism

HEALTH SERVICES

Health Occupations

INDUSTRIAL & ENGINEERING TECHNOLOGY

ENGINEERING

Introduction to Engineering Design (IED), Civil Engineering & Architecture (CEA), 3D Animation I/II, Computer Science Essentials (CSE), Material Processing I/II

TRANSPORTATION

Automotive Technology I/II

Introduction to Power Sports, Power Sports Technology I/II

CONSTRUCTION

Building Trades I/II

Career Pathway Concentration

Science Waiver Application

NAME: _____

GRADE LEVEL: _____

DATE: _____



The Career Pathway Concentration Science Waiver allows a science course to be replaced with two credits of a career concentration course(s) completed with a C - or better. If these conditions are not met, students will be required to complete a science class prior to graduating. Completed applications will be considered for approval by the Career Pathway Concentration Committee which will be made up of an administrator, a science teacher, and a counselor.

This form must be turned in to the counselor's office.

Explain your career goal and how the science waiver will be a better option for you.

SAMPLE
actual waiver to be
filled out with advisor

List below which career pathway you are choosing and which class(es) do you plan to take.
You must have a total of two credits. (See back for pathway choices)

CAREER PATH

CLASS(ES)

MUSTANGS

Final Course Update: 1/20/20