

Festus High School

MISSION STATEMENT

We exist to partner with parents and the community to support students in becoming contributing citizens by expanding knowledge and scholarship and creating learning environments that promote academic excellence.

VISION STATEMENT

Our school community will:

- Utilize varied strategies to monitor each student's progress toward achieving explicit curricular outcomes;
- Work together in collaborative teams on curriculum, instruction, individual students, and school improvement initiatives;
- Seek and implement promising instructional strategies for improving student achievement on a continuing basis;
- Model lifelong learning through a commitment to ongoing professional development;
- Facilitate positive relationships between community members, parents, staff, students and faculty;
- Create productive citizens by promoting a culture of kindness, fairness, responsibility, and respect;
- Integrate technology and promote its use as a means to achieve specific curricular outcomes;
- Promote the district's vision on a daily basis; (PLC)
- Prepare all students for all types of post-secondary opportunities;
- Promote shared leadership and professional autonomy within specific and clearly understood parameters (loose-tight leadership);
- Recognize and celebrate student and adult efforts, improvements and achievements;
- Provide a safe and orderly environment.

CORE VALUES

Festus High School is a community of adults and students who collaborate with each other with integrity, accountability and respect.

We collaborate when...

- We effectively communicate with a variety of people for a variety of purposes.
- We are flexible with people and adaptable to the task at hand.
- We work as a unified community towards common goals.

We have integrity when...

- We demonstrate good character.
- We practice academic honesty and good quality work.
- We treat others respectfully and professionally.
- We are honest, responsible and supportive with others when contributing to group work.
- We practice good sportsmanship.

We practice accountability when...

- We are responsible for our own actions.
- We contribute to the group and school community.
- We are prepared to follow through to completion.
- We are results based.
- We know and follow all expectations.
- We are punctual, on time, and meet deadlines.
- We are engaged and participate as expected.
- We are prepared to learn.

COLLEGE & CAREER PLANNING GUIDE

The College & Career Planning Guide contains a tremendous amount of information regarding academic planning, career pathways including suggested courses and post-secondary options, MSHSAA guidelines, NCAA/NAIA requirements, and college credit opportunities. This College & Career Planning Guide is provided to assist students and parents with creating an Individual Career and Academic Plan for high school and beyond. Students are strongly encouraged to take courses that not only will help them work toward their future career goals, but also courses that they are interested in. The Festus High School College & Career Planning Guide is available online at www.festus.k12.mo.us under the "HIGH SCHOOL" tab.

2021-2022 HIGH SCHOOL COUNSELING STAFF

Steven Shemwell : Senior Counselor and A+ Coordinator

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Amanda Esparza: Junior Counselor and Sophomores M-Z Counselor

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FESTUS HIGH SCHOOL

501 Westwind Dr., Festus, MO 63028
Ph. 636-937-5410 Fax: 636-937-8048

Mr. Karl Shininger-Principal
Mr. Joel Roth-Assistant Principal
Mr. Eric Allen-Asst. Principal/Athletic Director

Dear Students and Parent/Guardians,

At Festus High School, our faculty and staff are committed to preparing students to meet tomorrow's challenges. One of the challenges that our students will face more than any other generation is an increased level of training needed to obtain what were once entry-level jobs. Jobs have become more technical than ever before and require additional post-secondary training. As a result, it is our goal to help students prepare socially, mentally, academically, and financially for their future. Our teachers and counseling staff will work closely with students throughout the year to help them make some of these academic decisions. As students enter high school, it is important for them to begin exploring career interests and the skills/training needed both in high school and beyond. This planning guide will provide you with course offerings and their descriptions to help you with your planning.

Throughout the school year, Festus High School students will be able to participate in College and Career days to help students in finding a career interest. Our advisors will also work closely with students and their parents to assist in choosing an appropriate academic plan. Classes have several college and career readiness components built into the curriculum. Of course, planning your courses is just the beginning. We encourage students to challenge themselves and take courses that will push them beyond what they ever thought they were capable of. We have wonderful, dedicated teachers who will ensure that students, with a lot of focus and hard work, can fulfill their dreams no matter what their interests. In addition, the more students challenge themselves and take college-level courses in high school, the more likely they will be to complete a college level degree or training program. Getting accepted into a post-secondary institution is relatively easy; being able to successfully complete the program is dependent upon a student's readiness.

Please review this planning guide carefully and choose the courses that will prepare your child appropriately for post-secondary plans. Students will meet with and receive guidance from our counselors throughout the year in meeting specific graduation requirements. Beyond that, students should choose the courses that best fit their needs in relation to future goals. It may not seem like it now, but these decisions will be some of the most important decisions students will make in regard to their future.

Sincerely,

A handwritten signature in black ink that reads "Dr. Karl Shininger".

Dr. Karl Shininger, Principal
Festus High School

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General Information

Advanced Placement (AP): Students who successfully complete an AP course may elect to take the national Advanced Placement test offered by the College Board. Students who achieve a high composite score on the AP test will be eligible for college credit at some colleges and universities. For more information, please refer to page 8.

Athletic/Activities Eligibility: A student who intends to participate in ANY sports and/or ANY interscholastic contests such as football and marching band must meet the following requirements: The student must be currently enrolled in courses that offer at least 3.0 units of credit per semester. The student must have earned at least 3.0 units of credit the previous semester. For more information please refer to the Student Activity Handbook that can be found on the school website under the “STUDENT HANDBOOK” tab.

Dual Credit: Dual credit is provided by post-secondary institutions and offered to high school students. It is designed to deliver high quality college experiences to students. Dual credit courses enrich and extend the high school curriculum, provide introductory college coursework and avoid unnecessary duplication in coursework as students move from high school to college. Festus High School partners with Jefferson College, University of Missouri – St. Louis, Missouri State University, and Saint Louis University for dual credit.

Dual Enrollment: Dual enrollment occurs when a high school student takes a college course not offered as a dual credit class. Each postsecondary institution has procedures for dual enrollment students. These courses would be completed either at that institution or online. All dual enrollment students must get permission from a counselor to participate in dual enrollment.

Elective: A course which a student chooses to take but is not specifically required for graduation. Elective credit is also earned by earning more credits than what is required in any other subject area.

Grade Level Classification: At the beginning of each school year, students are assigned grade level based on the number of credits they have earned. Freshman: 0-5.5 credits; Sophomore: 6.0 – 10.5 credits; Junior: 11.0 – 16.5 credits; Senior: 17 – 24 credits. A student transferring to Festus High School will be entered into the appropriate grade upon receipt of transcripts from previous schools. Changes in grade level classification shall be made only at the beginning and conclusion of each school year. No grade level changes will be made at the conclusion of first semester.

Grade Point Average (GPA): The student's grade point average will be figured on the basis of **semester** grades in all subjects. Letter grades will be given in the following values and then averaged to determine GPA: A = 4 points; B = 3 points; C = 2 points; D = 1 point; F = 0 points. Weighted courses' letter grades will be given in the following values and then averaged to determine GPA: A = 5 points; B = 4 points; C = 3 points; D = 2 points; F = 0 points. For more specific information on grading, please refer to the Student Handbook.

Prerequisite: A course that must be successfully completed before another related course may be taken.

Required Course: A course which is required by either the State Department of Education or Festus High School for graduation.

Transcript: A transcript is an official record of a student's semester grades and standardized test scores. The school must have verbal or written permission of the student or his/her parents to send copies of transcripts.

Unit of Credit: One unit of credit is earned for successfully completing two semesters of work. Courses that meet for one semester earn one-half (0.5) unit of credit.

GRADUATION REQUIREMENTS

ACADEMIC DIPLOMA

| <u>SUBJECTS</u> | <u>CREDITS REQUIRED</u> |
|--------------------|-------------------------|
| ELA | 4 |
| Social Studies** | 3 |
| Mathematics | 3 |
| Science | 3 |
| Fine Arts | 1 |
| Practical Arts | 0.5 |
| Personal Finance | 0.5 |
| Physical Education | 1.5 |
| Health | 0.5 |
| Electives***** | 7 |
| TOTAL | 24 |

**US Government, World History, and US History or AP US History all must be passed. All students must pass the Missouri and U.S. constitution tests at the high school level.

HONORS DIPLOMA

| <u>SUBJECTS</u> | <u>CREDITS REQUIRED</u> |
|---------------------|-------------------------|
| ELA* | 4 |
| Social Studies** | 3 |
| Mathematics*** | 4 |
| Science**** | 4 |
| World Language***** | 2 |
| Fine Arts | 1 |
| Practical Arts | 0.5 |
| Personal Finance | 0.5 |
| Physical Education | 1.5 |
| Health | 0.5 |
| Electives***** | 6 |
| TOTAL | 27 |

*Advanced ELA III *required* during the Junior year and AP English Literature and Composition *required* during the Senior year.

**US Government, World History, and AP US History all must be passed. All students must pass the Missouri and U.S. constitution tests at the high school level.

***Algebra I, Geometry/Advanced Geometry, and Algebra II/Advanced Algebra II are required. The fourth unit must be College Algebra, AP Statistics or Precalculus.

****Physical Science and Biology are required. The third and fourth units must be from the following: Chemistry, Honors Chemistry, AP Chemistry, AP Physics I, AP Physics 2, Anatomy & Physiology, Zoology or Advanced Biology.

*****Two years required of the *same* language.

*****Elective credits can be earned through Elective Courses or by earning more credits than what is required in any other subject area.

Cum Laude Recognition

In order to be recognized in the Cum Laude system at graduation, you **must** earn one of the following cumulative GPAs:

- Summa Cum Laude 4.000 and above
- Magna Cum Laude 3.667-3.999
- Cum Laude 3.500-3.666

A+ Schools Program

BENEFITS OF THE A+ SCHOOLS PROGRAM

Festus High School is a designated A+ High School in the state of Missouri. A+ participants who meet all of the requirements listed below **may** receive paid tuition to a public community college or an approved public vocational/technical school in the state of Missouri (funding determined by the state legislature). Eligibility for the A+ Program expires once **one** of the following factors has been met: 48 months after high school graduation, receipt of an associate's degree, or the completion of 105% of the required hours for the student's program of study.

REQUIREMENTS OF THE A+ SCHOOLS PROGRAM

To be certified as an A+ Student, an individual must do the following:

- Sign an A+ Schools Agreement.
- Must be a US citizen or permanent resident.
- Attend a designated A+ High School for two years prior to graduation.
- Graduate Festus High School with an **unweighted grade point average** of 2.5 or higher on a 4.0 scale (accumulative over 4 years).
- Maintain a 95% attendance record (accumulative all four years).
- Attendance appeals will NOT be accepted after student's Graduation date.
- Perform 50 hours of unpaid school sponsored and supervised tutoring or mentoring.
- Maintain a record of good citizenship and avoidance of the unlawful use of drugs and alcohol.
- Make a good faith effort to secure all available federal post-secondary student financial assistance funds that do not require repayment (Must complete a FAFSA form).
- Students must score Advanced or Proficient on the Algebra I End-of-Course Exam (or a higher level DESE approved end-of-course exam in the field of mathematics) or earn an eligible score on ACT Math.
- After graduation, maintain eligibility by enrolling full-time at an approved institution and earning at least a cumulative 2.5 GPA.

All financial benefits are dependent upon money allocated each year by the state legislature.

For more information, contact Steven Shemwell, A+ Coordinator,
at 636/937-5944 (shemwellsteven@festusedu.com)

Opportunities To Earn College Credit

College Dual Credit Courses - See next page for more information.

Dual Credit Courses enable high school students to receive both high school and college-level credit simultaneously. These policy guidelines and eligibility requirements have been approved by the Missouri Coordinating Board for Higher Education. The eligibility requirements are:

1. Juniors and Seniors must have a minimum 3.0 cumulative GPA.
2. Juniors and Seniors with a minimum 2.5 cumulative GPA are eligible with permission from their counselor/principal and their parent/guardian. A minimum test score from an approved placement exam may be required.
3. Sophomores with a minimum 3.0 cumulative GPA are eligible with permission from their counselor/principal and their parent/guardian.
4. Freshmen with a score in the 90th percentile or higher on the ACT or SAT and minimum 3.0 cumulative GPA are eligible with permission from their counselor/principal and their parent/guardian.

Advanced Placement (AP) Program

AP courses are college-level courses taken as a part of the high school programs in the Festus School District. AP courses offer students the opportunity to take courses with more challenging college-level content. FHS offers AP courses in English, Math, Social Studies, Science, Fine Arts, and Computer Science. Students who complete AP courses are prepared to take the AP exams, administered each May by the College Board. These exams are scored on a scale of 1 to 5. Students scoring between a 3 and a 5 may qualify for college credit at a college/university. The cost for an AP exam will be approximately \$95 or \$55 if the student is on the free/reduced lunch program. Students who score a 3, 4, or 5 will be reimbursed for their registration fee. For more information on taking an AP course or taking an AP exam, please contact a school counselor or an AP course teacher.

Online College Credit

Online college credit options *may* be available through local colleges/universities. Students will be notified of any college credit opportunities that become available on our campus.

Articulated Courses

FHS offers 2 articulated courses through Jefferson College, Computer Applications II and Accounting. A student earns FREE college credit by successfully completing an articulated course with a grade of 80% or higher. The student must then enroll in an Associate of Applied Science program or a Career and Technical Education Certificate program at Jefferson College within 24 months of HS graduation in order to be awarded the college credit.

Weighted Courses

Weighted courses are considered honors courses. Each weighted course counts for one extra grade point when compiling overall GPA. The following courses are considered weighted courses: Advanced ELA III, AP English Literature & Composition, Spanish III, Spanish IV, French III, French IV, College Algebra, Precalculus, AP Statistics, AP Calculus AB, AP US History, AP Psychology, Advanced Biology, Honors Chemistry, AP Chemistry, AP Physics I, AP Physics 2, AP Computer Science Principles, AP Art, AP Music Theory.

**Festus High School Dual Credit Course Offerings
2021-2022**

| FHS Course | Instructor | College or University | College Course | Course Numbers | Credit Hours+ | Registration Dates* | Cost* 21-22 prices |
|-----------------------|-----------------------------|------------------------------|--|--|----------------------|----------------------------|---------------------------|
| Adv Biology | Mr. Wright | Jeffco | General Biology | BIO 101 | 5 | Early Sept | \$75/hr |
| AP Calculus AB | Mrs. Harms | Jeffco | Calculus | MTH 180 | 5 | Early Sept | \$75/hr |
| AP Chemistry | Mr. Bidlack | Saint Louis University | Gen Chem 1 Gen Chem Lab 1 Gen Chem 2 Gen Chem Lab 2 | CHEM 1110 CHEM 1115 CHEM 1120 CHEM 1125 | 3 1 3 1 | Mid Sept Early Feb | \$75/hr |
| AP English Lit & Comp | Mrs. Henningsen | Jeffco | Eng Comp I Eng Comp II | ENG 101 ENG 102 | 3 3 | Early Sept Early Feb | \$75/hr |
| AP Statistics | Mr. Noce | UMSL | Intro to Prob & Statistics | MATH 1320 | 3 | Late January | \$70/hr |
| AP US History | Mr. Weber | Jeffco | US History I US History II | HST 103 HST 104 | 3 3 | Early Sept Early Feb | \$70/hr |
| College Algebra | Mrs. Harms | Jeffco | College Algebra | MTH 134 | 3 | Early Sept | \$75/hr |
| French III | Dr. Koehnemann | UMSL | French Lang & Culture I | FRENCH 1001 | 5 | Early Sept | \$70/hr |
| French IV | Dr. Koehnemann | UMSL | French Lang & Culture II | FRENCH 1002 | 5 3 | Early Sept Early Feb | \$70/hr |
| Leadership & Service | Mrs. Satchell | Drury | Leadership | LDST 101 | 3 | Early March | \$70/hr |
| Personal Finance | Mr. Kinder/ Mr. Schnabel | Missouri State | Personal Finance | FIN 150 | 3 | Mid Sept/ Early Feb | \$70/hr# |
| Precalculus | Mr. Noce | Jeffco | Precalculus | MTH 141 | 5 | Early Sept | \$75/hr |
| Spanish III | Mrs. Bauman | UMSL | Spanish Lang & Culture I | SPANISH 1001 | 5 | Early Sept | \$70/hr |
| Spanish IV | Mrs. Fernandez | UMSL | Spanish Lang & Culture II | SPANISH 1002 | 5 | Early Sept | \$70/hr |

+All credits are for taking the class for a full school year with the exception of AP Chemistry, AP English Lit and Comp, and AP US History.

*Registration dates and tuition cost are subject to change.

#There is a [dual credit scholarship](#) for Personal Finance only if you qualify.

NCAA and NAIA Eligibility

NCAA

Students planning to be a student athlete at the Division I or II level must register with the NCAA Eligibility Center. Register online at www.eligibilitycenter.org

DIVISION I ACADEMIC ELIGIBILITY

To be eligible to compete in NCAA sports during your first year at a Division I school, students must successfully graduate high school and meet ALL the following requirements:

- Complete 16 core courses:
 - Four years of English
 - Three years of math (Algebra 1 or higher)
 - Two years of natural/physical science (one with a lab)
 - One additional year of English, math or natural/physical science
 - Two years of social science
 - Four additional years of English, math, natural/physical science, social science, foreign language, comparative religion or philosophy
 - Complete 10 core courses, including seven in English, math or natural/physical science, before your seventh semester. Once you begin your seventh semester, you may not repeat or replace any of those 10 courses to improve your core-course GPA.
- Earn at least a 2.3 GPA in your core courses.
- Earn an SAT combined score or ACT sum score matching your core-course GPA on the Division I sliding scale, which balances your test score and core-course GPA. If you have a low test score, you need a higher core-course GPA to be eligible. If you have a low core-course GPA, you need a higher test score to be eligible.

If a student has not met all the Division I academic requirements, he/she may not compete in the first year at college. However, if he/she qualifies as an academic redshirt, he/she may practice during the first term in college and receive an athletics scholarship for the entire year.

For more information, visit <http://www.ncaa.org/about/student-athlete-eligibility>, Mr. Eric Allen (Activities/Athletic Director), or contact your sport's coach.

NAIA

Students planning to be a student athlete at a NAIA school have different eligibility requirements. A college freshman **MUST** be a graduate of an accredited high school **AND** be accepted to the college/university as a regular student in good standing. That student must also meet **two** of **three** requirements.

- Have a minimum ACT score of 18 or a minimum SAT score of 860 (Critical Reading and Math Sections only)
- Have a minimum overall high school GPA of 2.000 on 4.000 scale
- Be in the top 50% of high school graduating class

For more information, visit <http://www.naia.org/>, contact Mr. Eric Allen (Activities/Athletic Director), or contact your sport's coach.

Jefferson College Area Technical School

During junior and senior year, Festus High School students are allowed to participate in Jefferson College's Area Technical School (ATS) programs. All school districts in Jefferson County as well as the Kingston School District in Washington County are invited to participate. The ATS programs help prepare students for a great career while still in high school. Students who are accepted into an ATS program will typically attend classes at Jefferson College during 2nd-4th hours of the FHS schedule, but there are rare occasions some classes are in the afternoon. Transportation is provided by the district for the morning session only.

Acceptance into the program is competitive. All applications received from all schools are scored and admittance is based on the top scores. All tuition is paid for by the school district and free to the student. There may be additional costs to the student once accepted into a program.

College credit can be earned through many of these programs. Programs can be one-year or two-year. Students are not required to take both years if it is a two-year program.

ATS PROGRAMS

Automotive Technology+ (12th grade only)
Biomedical Sciences I+ & II+
Building Repair Technology*
Culinary Arts*+
Digital Media Technology+
Early Childhood and Elementary Education I+ & II+
Fire Science Technology+ (12th grade only)
Health Information Technology+ (12th grade only)
Health Services I* & II+
Heating, Refrigeration and Air Conditioning Technology+ (HVAC)
Metal Fabrication*
Precision Machining Technology (12th grade only)
Residential Carpentry*
Advanced Residential Carpentry
Welding Technology

*Applied Communications and Applied Math will be part of this program's schedule.

+Dual Credit Opportunity through Jefferson College

Informational presentations are offered early second semester for students to learn more information about each program and ask questions. Brochures and applications are available in the Counseling Office.

For more information on the Area Technical School, visit www.jeffco.edu/ats or contact Sarah Perry, *ATS Recruiter and Placement Representative*, at sperry1@jeffco.edu or 636-481-3498.

Career Paths and Career Clusters

Students at Festus High School are encouraged to choose courses based on their identified career cluster. Career clusters can be identified by taking a Career Cluster Inventory through Missouri Connections or by self-identification.

Missouri has identified six Career Paths as a way to help students become aware of and explore careers in a logical and meaningful way. Those six Career Paths are: Arts & Communications; Business, Management & Technology; Health Services; Human Services; Industrial & Engineering Technology; and Natural Resources & Agriculture.

Missouri uses 16 Career Clusters as a way of organizing occupations and careers to assist educators in tailoring rigorous coursework and related activities for all students. The Career Clusters include all occupations, even those not usually found in career and technical education. The 16 Career Clusters are: Health Science; Arts, A/V Technology and Communications; Information Technology; Marketing, Sales and Service; Finance; Business, Management and Administration; Agriculture, Food and Natural Resources; Education and Training; Law, Public Safety, Corrections and Security; Government and Public Administration; Hospitality and Tourism; Human Services; Transportation, Distribution and Logistics; Manufacturing; Architecture and Construction; Science, Technology, Engineering and Mathematics.

On the next page, a picture representation of the Career Paths and the Career Clusters that fall into each path is provided. Following that are suggested sample individual career and academic plans for each career cluster. Festus High School courses are used in the suggested sample individual career and academic plans. All career clusters will include shaded areas/courses which depict minimum graduation requirements. Please keep in mind that there may be several courses within the core areas that are suggested; however, which course would be best for the student would depend on their intended college and/or intended college major.

FIND YOUR FUTURE IN Career Paths & Career Clusters

WWW.MISSOURICONNECTIONS.ORG

**Science, Technology,
Engineering and Mathematics**
Engineering and Technology
Science and Math

Architecture and Construction
Design and Pre-Construction
Construction
Maintenance and Operations

Health Science
Biotechnology Research
and Development
Therapeutic Services
Diagnostics Services
Health Informatics
Support Services

Manufacturing

Production
Manufacturing Production Process Development
Maintenance, Installation and Repair
Quality Assurance
Logistics and Inventory Control
Health, Safety and Environmental Assurance

Transportation, Distribution and Logistics

Transportation Operations
Logistics, Planning and Management Services
Warehousing and Distribution Center Operations
Facility and Mobile Equipment Maintenance
Transportation Systems and Infrastructure
Planning, Management and Regulation
Health, Safety and Environmental
Management
Sales and Services

Human Services

Early Childhood Development and Services
Counseling and Mental Health Services
Family and Community Services
Personal Care Services
Consumer Services

Hospitality and Tourism

Restaurants and Food and
Beverage Services
Recreation, Amusement and Attractions
Travel and Tourism
Lodging

Government and Public Administration

Public Management and Administration
Governance
National Security
Foreign Service
Planning
Revenue and Taxation
Regulation

Law, Public Safety, Corrections and Security

Correction Services
Emergency and Fire Management Services
Security and Protective Services
Law Enforcement Services
Legal Services

Education and Training

Administration and
Administrative Support
Instructional Support Services
Teaching and Training

Industrial & Engineering Technology

Building &
Fixing Path

Human Services

Helping Path

Health Services

Health Path

Foundation Knowledge & Skills

Academic & Technical Skills
Teamwork Career Development
Information Technology Application
Problem Solving Critical Thinking
Employability Ethics Systems
Safety, Health & Environment
Legal Responsibilities
Communication

Arts & Communication

Creative Path

Natural Resources Agriculture

Nature Path

Agriculture, Food and Natural Resources

Food Products and
Processing Systems
Plant Systems
Animal Systems
Power, Structural and
Technical Systems
Natural Resources and
Environmental Systems
Agribusiness Systems

Arts, A/V Technology and Communications

Audio and Video Technology and Film
Printing Technology
Visual Arts
Performing Arts
Journalism and Broadcasting
Telecommunications

Business, Management & Technology

Business Path

Finance

Financial and
Investment Planning
Business Financial
Management
Banking and Related Services
Insurance Services

Information Technology

Network Systems
Information Support and Services
Interactive Media
Programming and Software Development

Marketing, Sales and Service

Management and Entrepreneurship
Professional Sales and Marketing
Buying and Merchandising
Marketing Communications
and Promotion
Marketing Information Management
and Research
Distribution and Logistics
E-Marketing

Business, Management and Administration

Management
Business Financial Management
and Accounting
Human Resources
Business Analysis
Marketing and Communications
Administrative and Information



Department of Elementary and Secondary Education
Division of Career Education
P.O. Box 450
Jefferson City, MO 65102-0450
(877) 551-3330



Sample Individual Career and Academic Plans (Career Clusters)



Festus High School
Agriculture, Food & Natural Resources
Career Cluster Suggested Individual Career and Academic Plan
<http://festus.k12.mo.us>

| Minimum Graduation Requirements | | SUGGESTED COURSE OF HIGH SCHOOL STUDY | | | | | | |
|--|-------|---|--|------------------------------|----------------|--|--|---|
| | | It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit. | | | | | | |
| | Grade | English | Math | Science | Social Studies | Required Courses/ Elective Options | Area Technical School of Jefferson College | Additional Learning Opportunities |
| S e c o n d a r y | 9 | ELA I or Advanced ELA I | Algebra I or Geometry/ Advanced Geometry | Physical Science | World History | PE Lifetime Health Fine Art World Language I Computer Applications I Engineering Essentials | | School Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ |
| | 10 | ELA II or Advanced ELA II | Geometry/ Advanced Geometry or Algebra II/ Advanced Algebra II | Biology | US History | PE World Language II Industrial Technology Intro Engineering Design | | Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ |
| | 11 | ELA III or Advanced ELA III | Industrial Math or Algebra II/ Advanced Algebra II or College Algebra Precalculus AP Statistics | Gen Chem Ecology | US Government | Personal Finance Principles of Engineering Food Preparation Nutrition Now | <input type="checkbox"/> <u>Welding Technology I</u> <input checked="" type="checkbox"/> <u>Metal Fabrication I (M&C I)</u> <input checked="" type="checkbox"/> <u>Culinary Arts I (M&C I)</u> | Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____ |
| | 12 | ELA IV or AP English Lit & Comp | College Algebra AP Statistics Precalculus AP Calculus AB | Earth Science Adv Biology | AP US History | Accounting Business Mgmt & Ent Power Technology Electricity/Electronics | <input type="checkbox"/> <u>+Welding Technology II</u> <input checked="" type="checkbox"/> <u>Metal Fabrication I (M&C I)</u> <input checked="" type="checkbox"/> <u>+Metal Fabrication II (C II)</u> <input checked="" type="checkbox"/> <u>Culinary Arts I (M&C I)</u> <input checked="" type="checkbox"/> <u>+Culinary Arts II (C II)</u> | Placement Assessment: <input type="checkbox"/> ACCUPLACER <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ |
| | | Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: _____ | | | | | | |

ATS symbol key : ♦Articulated Credit □Dual Credit +Prerequisites M Mathematics C Communications **BOLD – AM ONLY PROGRAM** *Italicized – PM ONLY PROGRAM* Underlined – AM & PM

High School credit earned is dependent upon Sending School Transcription

Career Cluster Sample Individual Career and Academic Plan

| Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org | | | | | |
|--|--|---|---|---|--|
| P o s t s e c o n d a r y | Community College | Technical School/Training Institution | In State | | Out of State/Other |
| | Crowder College www.crowder.edu East Central College www.eastcentral.edu Jefferson College www.jeffco.edu Linn State Technical College www.linnstate.edu Metropolitan Community College www.mccckc.edu Mineral Area College www.mineralarea.edu North Central Missouri College www.ncmissouri.edu Ozarks Technical Community College www.otc.edu St Louis Community College www.stlcc.edu State Fair Community College www.sfccmo.edu Three Rivers Community College www.trcc.edu | Columbia Area Career Center www.career-center.org Davis Hart Career Center www.mexicoschools.net Eldon Career Center www.eldoncareercenter.org Hannibal Career and Technical Center www.hannibal.tec.mo.us Kirksville Area Tech Center www.kirksville.k12.mo.us Moberly Area Tech Center www.moberly.k12.mo.us Ranken Tech College www.ranken.edu Waynesville Technical Academy www.waynesville.k12.mo.us | A.T. Skill University of Health Sciences www.atsu.edu Avila University - www.avila.edu Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Culver-Stockton College www.culver.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College - www.hlg.edu Lincoln University - www.lincolnu.edu Lindenwood University www.lindenwood.edu Maryville University of St. Louis www.maryville.edu Missouri Baptist Univ - www.mobap.edu MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri State University – West Plains www.wp.missouristate.edu MO Univ of Science & Technology www.mst.edu | Missouri Valley College www.moval.edu Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Rockhurst University - www.rockhurst.edu Saint Louis University - www.slu.edu Southeast MO State University www.semo.edu Southwest Baptist University www.sbuniv.edu Stephens College - www.stephens.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu University of MO - www.missouri.edu University of MO – Kansas City www.umkc.edu Univ of MO – St Louis - www.umsu.edu Washington University - www.wustl.edu Webster University www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu | <ul style="list-style-type: none">• Apprenticeship• Military• On-the-Job Training Petropolis Academy of Grooming & Training - www.petropolisacademy.com Midwest Institute www.midwestinstitute.com |
| Sample Careers By Educational Level – For Occupational Specialties, go to www.careertech.org or www.missouriconnections.org | | | | | |
| On-The-Job Training or Less | | Technical Training or Associate Degree | Bachelors Degree | Masters Degree or More | |
| Animal Caretakers, Animal Trainers, Vet Assistants Bakers Commercial Fishers Farm and Ranch Workers Farm Equipment Mechanics Farmers Food Processing Workers Log Graders and Scalars Loggers Meat Cutters Mining Machine Operators Nursery Workers Rock Splitters Trash Collectors Water Treatment Plant Operators | | Fish and Game Wardens Forestry Technicians Precision Agriculture Technicians | Agricultural Engineers Agricultural Scientists Animal Scientists Conservation Scientists Farm and Home Management Advisors Food Scientists Foresters Park Naturalists Zoologists | Agricultural Sciences Teachers, Postsecondary Animal Scientists Farm and Home Management Advisors Veterinarians Zoologists and Wildlife Biologists | |



Festus High School
Architecture & Construction
Career Cluster Suggested Individual Career and Academic Plan
<http://festus.k12.mo.us>

| Minimum Graduation Requirements | | SUGGESTED COURSE OF HIGH SCHOOL STUDY | | | | | | |
|--|-------|---|--|-------------------------------------|----------------|---|---|---|
| | | It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit. | | | | | | |
| | Grade | English | Math | Science | Social Studies | Required Courses/ Elective Options | Area Technical School of Jefferson College | Additional Learning Opportunities |
| S e c o n d a r y | 9 | ELA I or Advanced ELA I | Algebra I or Geometry/ Advanced Geometry | Physical Science | World History | PE Lifetime Health Fine Art World Language I Computer Applications I Industrial Technology Engineering Essentials | | School Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ |
| | 10 | ELA II or Advanced ELA II | Geometry/ Advanced Geometry or Algebra II/ Advanced Algebra II | Biology | US History | PE Introduction to Art World Language II Computer Applications II Carpentry | | Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ |
| | 11 | ELA III or Advanced ELA III | Industrial Math or Algebra II/ Advanced Algebra II or Precalculus | Ecology Gen Chem AP Physics I | US Government | Personal Finance Drawing 3-D Design Intro Engineering Design | ♦Residential Carpentry I (M&C I) <u>Building Repair Technology I (M&C I)</u> <input type="checkbox"/> <u>Welding Technology I</u> ♦Metal Fabrication I (M&C I) | Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____ |
| | 12 | ELA IV or AP English Lit & Comp | AP Calculus AB | AP Physics I AP Physics II | AP US History | Web Design Pottery Principles of Engineering | ♦Residential Carpentry I (M&C I) <u>Building Repair Technology I (M&C I)</u> <u>+Building Repair Technology II (C II)</u> <input type="checkbox"/> HVAC <input type="checkbox"/> <u>Welding Technology I</u> <input type="checkbox"/> <u>+Welding Technology II</u> ♦Metal Fabrication I (M&C I) ♦+Metal Fabrication II (C II) | Placement Assessment: <input type="checkbox"/> ACCUPLACER <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ |
| | | Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: _____ | | | | | | |

ATS symbol key : ♦Articulated Credit □Dual Credit +Prerequisites M Mathematics C Communications **BOLD – AM ONLY PROGRAM** *Italicized – PM ONLY PROGRAM* Underlined – AM & PM

High School credit earned is dependent upon Sending School Transcription

Career Cluster Sample Individual Career and Academic Plan

| Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org | | | | | |
|--|---|---|---|--|---|
| P o s t s e c o n d a r y | Community College | Technical School/Training Institution | In State | | Out of State/Other |
| | Crowder College www.crowder.edu East Central College www.eastcentral.edu Jefferson College www.jeffco.edu Linn State Technical College www.linnstate.edu Metropolitan Community College www.mcckc.edu Mineral Area College www.mineralarea.edu Moberly Area Comm College www.macc.edu North Central Missouri College www.ncmissouri.edu Ozarks Technical Comm College www.otc.edu St Louis Community College www.stlcc.edu St. Charles Community College www.stchas.edu State Fair Community College www.sfccmo.edu Three Rivers Community College www.trcc.edu | Arcadia Valley Tech www.mineralarea.edu Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm Clinton Tech School www.clinton.k12.mo.us Columbia Area Career Ctr - www.career-center.org Davis Hart Career www.mexicoschools.net Eldon Career Ctr - www.eldoncareercenter.org Franklin Tech- MSSU www.ftcjoplin.com Grand River Tech School - www.grts.org Hannibal Career and Technical Center www.hannibal.tec.mo.us Jefferson College ATS www.jeffco.edu Lake Career & Technical Center www.camdentonschools.org Lebanon Technology and Career Ctr www.lebanon.k12.mo.us Lex La-Ray Tech Ctr www.lexington.k12.mo.us Kirksville Area Tech www.kirksville.k12.mo.us Moberly Area Tech www.moberly.k12.mo.us Nichols Career Center - www.jcps.k12.mo.us Northland Career Ctr - www.northlandcareercenter.com Northwest Tech - www.maryville.k12.mo.us Perryville Area Career/Tech Center www.perryville.k12.mo.us Pike-Lincoln Tech Ctr - www.pltc.k12.mo.us Ranken Tech College - www.ranken.edu Rolla Tech Institute - www.rolla.k12.mo.us South Central Career Ctr - www.wphs.k12.mo.us Unitec Career Center - www.mineralarea.edu Waynesville Technical Academy www.waynesville.k12.mo.us | Avila University - www.avila.edu Baptist Bible College www.baptist.edu Bryan College - www.bryancollege.com Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Culver-Stockon College www.culver.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Everest College www.everest-college.edu Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College - www.hlg.edu Harris-Stowe State Univ - www.hssu.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville Univ of St. Louis www.maryville.edu Messenger College www.messengercollege.edu Missouri Baptist Univ - www.mobap.edu Missouri College www.missouricollege.com Missouri Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri State University – West Plains www.wp.missouristate.edu | MO University of Science & Technology www.mst.edu Missouri Western State University www.missouriwestern.edu Park University - www.park.edu Rockhurst University www.rockhurst.edu Saint Louis University www.imagine.stu.edu Sanford-Brown College www.sanford-browncollege.com Southeast MO State University www.semo.edu Southwest Baptist Univ - www.sbuniv.edu Stephens College www.stephens.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu Univ of MO – www.missouri.edu Univ of MO – Kansas City www.umkc.edu Univ of MO – St Louis - www.umsi.edu University of Phoenix - www.phoenix.edu Vatterott College www.vatterott-college.edu Washington University www.wustl.edu Webster University www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell College www.jewell.edu William Woods University www.williamwoods.edu | <ul style="list-style-type: none">• Apprenticeship• Military• On-the-Job Training Foley-Belsaw Institute www.foley-belsaw.com Colorado Technical University www.coloradotech.com DeVry University www.drury.edu Grantham University www.grantham.edu ITT Technical Institute www.itt-tech.edu MERS/Missouri Goodwill Industries www.mersgoodwill.org Missouri Welding Institute www.nwi.ws National American University www.national.edu |
| | Sample Careers By Educational Level – For Occupational Specialties, go to www.careertech.org or www.missouriconnections.org | | | | |
| | On-The-Job Training or Less | | Technical Training or Associate Degree | Bachelors Degree | Masters Degree or More |
| | Bricklayers, Stonemasons and Cement Masons Cabinetmakers and Carpenters Drywall Finishers & Installers and Plasterers Electricians HVAC System Mechanics Operators Line Installers and Repairers, Plumbers, Pipefitters, Roofers, Sheet Metal & Structural Metal Workers Surveying and Mapping Technicians | | Commercial Drivers Drafters Energy Auditors Interior Designers | Architects Construction Managers Cost Estimators Landscape Architects Surveyors | Architects, Expects Landscape and Naval Architecture Teachers, Postsecondary Engineering Managers Engineering Teachers, Postsecondary Historians Operations Research Analysts Political Scientists Sociologists Socioloav Teachers, Postsecondary |



Festus High School
Arts, A/V Technology & Communications
Career Cluster Suggested Individual Career and Academic Plan
<http://festus.k12.mo.us>

| Minimum Graduation Requirements | | SUGGESTED COURSE OF HIGH SCHOOL STUDY | | | | | | |
|--|-------|---|---|---------------------|----------------|--|--|---|
| | | It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit. | | | | | | |
| | Grade | English | Math | Science | Social Studies | Required Courses/ Elective Options | Area Technical School of Jefferson College | Additional Learning Opportunities |
| S e c o n d a r y | 9 | ELA I or Advanced ELA I | Algebra I or Geometry/ Advanced Geometry | Physical Science | World History | PE Lifetime Health Fine Art (Intro to Art) World Language I Mixed Choir Marching Band/9 th Band Marching Band | | School Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ |
| | 10 | ELA II or Advanced ELA II | Geometry/ Advanced Geometry or Algebra II/ Advanced Algebra II | Biology | US History | PE World Language II Computer Apps I Intro To Theater Public Speaking Tenor/Bass Choir Treble Choir | | Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ |
| | 11 | ELA III or Advanced ELA III | Industrial Math or Algebra II/ Advanced Algebra II or College Algebra AP Statistics | Ecology Gen Chem | US Government | Personal Finance Beginning Piano Drawing Creative Writing Yearbook Journalism Adv Speech & Theater Tenor/Bass Choir Treble Choir Digital Media | <input type="checkbox"/> <u>Digital Media Technology I</u> | Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____ |
| | 12 | ELA IV or AP English Lit & Comp | College Algebra AP Statistics | | AP US History | Electricity/Electronics Concert Choir Concert Band Jazz Band Symphonic Band Web Design Digital Publishing AP Art Live Stream Productions | <input type="checkbox"/> <u>Digital Media Technology I</u> <input type="checkbox"/> <u>+Digital Media Technology II</u> | Placement Assessment: <input type="checkbox"/> ACCUPLACER <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ |
| | | Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: _____ | | | | | | |

ATS symbol key : ♦Articulated Credit □Dual Credit +Prerequisites M Mathematics C Communications **BOLD – AM ONLY PROGRAM** *Italicized – PM ONLY PROGRAM* Underlined – AM & PM

High School credit earned is dependent upon Sending School Transcription

Career Cluster Sample Individual Career and Academic Plan

| Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org | | | | | |
|---|---|--|---|---|--|
| P o s t s e c o n d a r y | Community College | Technical School/Training Institution | In State | | Out of State/Other |
| | Crowder College www.crowder.edu | Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm | Avila University - www.avila.edu | Missouri S&T – www.mst.edu | • Apprenticeship |
| | East Central College www.eastcentral.edu | Davis Hart Mexico Technical School www.mexicoschools.org | Bryan College - www.bryancollege.com | Missouri State Univ – West Plains www.wp.missouristate.edu | • Military |
| | Jefferson College www.jeffco.edu | Eldon Career Center www.eldoncareercenter.org | Central Methodist University www.centralmethodist.edu | Missouri Valley College – www.moval.edu | • On-the-Job Training |
| | Linn State Technical College www.linnstate.edu | Four Rivers Technical Center www.washington.k12.mo.us | College of the Ozarks - www.coto.edu | Missouri Western State University www.missouriwestern.edu | American College of Technology www.acof.edu |
| | Metropolitan Comm College www.mcckc.edu | Franklin Tech - MSSU www.ftcjoplin.com | Columbia College - www.ccis.edu | Northwest Missouri State University www.nwmissouri.edu | Baptist Bible College - www.baptist.edu |
| | Mineral Area College www.mineralarea.edu | Gibson Tech Ctr - www.wolves.k12.mo.us/gtc | Culver-Stockon College – www.culver.edu | Ozark Christian College – www.occ.edu | Barbizon School of Clayton www.barbizonmodeling.com |
| | Moberly Area Comm College www.macc.edu | Hannibal Career and Technical Center www.hannibal.tec.mo.us | DeVry University – www.devry.edu | Park University - www.park.edu | Broadcast Center www.broadcastcenterinfo.com |
| | Ozarks Tech Comm College www.otc.edu | Herndon Career Center www.herndoncareercenter.com | Drury University - www.drury.edu | Patricia Stevens College www.patriciastevenscollege.edu | Calvary Bible College and Theological Seminary - www.calvary.edu |
| | St. Charles Comm College www.stchas.edu | Jefferson College ATS www.jeffco.edu | Evangel University - www.evangel.edu | Rockhurst Univ - www.rockhurst.edu | Seminary - www.cbcag.edu |
| St Louis Community College www.stlcc.edu | Hillyard Tech Center - www.hillyardtech.com | Everest College www.everest-college.com | Saint Louis Univ - www.imagine.stu.edu | Central Bible College - www.cbccag.edu | |
| State Fair Community College www.sfccmo.edu | Kirksville Area Technical Center www.kirksville.k12.mo.us | Fontbonne Univ - www.fontbonne.edu | Sanford-Brown College www.sanford-browncollege.com | Colorado Technical University www.coloradotech.com | |
| Three Rivers Comm College www.trcc.edu | Lake Career and Technical Center www.camdentonschools.org | Hannibal-Lagrange College - www.hlg.edu | Seamless College www.seamlesscollege.com | Court Report Academy www.thecourtreportingacademy.com | |
| | Lex La-Ray Tech Ctr - www.lexington.k12.mo.us | Harris-Stowe State Univ - www.hssu.edu | Southeast MO State Univ www.semo.edu | ITT Technical Institute www.itt-tech.edu | |
| | Moberly Area Tech Ctr - www.moberly.k12.mo.us | Hickey College www.hickeycollege.edu | Southwest Baptist Univ - www.sbuniv.edu | Kansas City Art Inst - www.kcai.edu | |
| | Nichols Career Center - www.jcps.k12.mo.us | Lincoln University - www.lincolnu.edu | Stephens College - www.stephens.edu | Midwestern Baptists Theological Seminary - www.mbts.edu | |
| | Perryville Area Career/Technical Center www.mineralarea.edu | Lindenwood Univ - www.lindenwood.edu | Truman State Univ - www.truman.edu | Missouri Tech – www.motech.edu | |
| | Ranken Tech College - www.ranken.edu | Maryville Univ of St. Louis www.maryville.edu | Univ of Central MO - www.ucmo.edu | National American University www.national.edu | |
| | Rolla Tech Institute - www.rolla.k12.mo.us | Messenger College www.messengercollege.edu | Univ of MO – www.missouri.edu | | |
| | Waynesville Technical Academy www.waynesville.k12.mo.us | Missouri Baptist Univ - www.mobap.edu | Univ of MO – KC - www.umkc.edu | | |
| | | Missouri College www.missouricollege.com | Univ of MO – Rolla – www.umsr.edu | | |
| | | MO Southern State Univ - www.mssu.edu | Univ of MO – St Louis - www.umsl.edu | | |
| | | Missouri State University www.missouristate.edu | Vatterott Coll - www.vatterott-college.edu | | |
| | | | Washington Univ - www.wustl.edu | | |
| | | | Webster Univ - www.websteruniv.edu | | |
| | | | William Jewell College- www.jewell.edu | | |
| | | | William Woods Univ www.williamwoods.edu | | |
| Sample Careers By Educational Level – For Occupational Specialties, go to www.careertech.org or www.missouriconnections.org | | | | | |
| On-The-Job Training or Less | Technical Training or Associate Degree | Bachelors Degree | | Masters Degree or More | |
| Actors Camera/Photographic Equipment Repairers Communications Equipment Mechanics Costume and Wardrobe Specialists Dancers, Fine Artists, Floral Designers Movie Projectionists Musical Instrument Repairers and Tuners Musicians and Singers Painting, Coating, and Decorating Workers Photographers, Potters, Proofreaders | Audio/Video Equipment Technicians Broadcast Techs, Sound Engineering Techs Camera Operators, Film/Video Editors, Choreographers, Directors Fashion Designers and Interior Designers Fine Artists Poets, Lyricists and Creative Writers Producers Radio Mechanics & Operators | Agents and Business Managers Animators, Art Directors Broadcast News Analysts and Reports Directors Editors Graphic, Industrial, Set & Exhibit Designers Interpreters and Translators Music Composers, Directors, and Arrangers Reporters and Correspondents Vocational Education Teachers, Postsecondary | | Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary English Language & Lit Teachers, Postsecondary Historians Librarians | |



Festus High School
Business Management & Administration
Career Cluster Suggested Individual Career and Academic Plan
<http://festus.k12.mo.us>

| Minimum Graduation Requirements | | SUGGESTED COURSE OF HIGH SCHOOL STUDY | | | | | | |
|--|-------|---|--|---------------------|----------------|---|--|---|
| | | It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit. | | | | | | |
| | Grade | English | Math | Science | Social Studies | Required Courses/ Elective Options | Area Technical School of Jefferson College | Additional Learning Opportunities |
| S e c o n d a r y | 9 | ELA I or Advanced ELA I | Algebra I or Geometry/ Advanced Geometry | Physical Science | World History | PE Lifetime Health Fine Art World Language I Computer Applications I | | School Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ |
| | 10 | ELA II or Advanced ELA II | Geometry/ Advanced Geometry or Algebra II/ Advanced Algebra II | Biology | US History | PE World Language II Public Speaking Computer Applications II | | Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ |
| | 11 | ELA III or Advanced ELA III | Algebra II/ Advanced Algebra II or College Algebra AP Statistics | Gen Chem | US Government | Personal Finance Marketing I Accounting | <input type="checkbox"/> Business Management I | Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____ |
| | 12 | ELA IV or AP English Lit & Comp | College Algebra AP Statistics | | AP US History | Web Design General Psychology Business Mgmt & Ent Marketing II Retailing/School Based Enterprise Supervised Marketing Experience | <input type="checkbox"/> Business Management I <input type="checkbox"/> +Business Management II | Placement Assessment: <input type="checkbox"/> ACCUPLACER <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ |
| | | Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: _____ | | | | | | |

ATS symbol key : ◆Articulated Credit □Dual Credit +Prerequisites M Mathematics C Communications **BOLD – AM ONLY PROGRAM** *Italicized – PM ONLY PROGRAM* Underlined – AM & PM

High School credit earned is dependent upon Sending School Transcription

Career Cluster Sample Individual Career and Academic Plan

| Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org | | | | | |
|--|--|---|--|---|--|
| P o s t s e c o n d a r y | Community College | Technical School/Training Institution | In State | | Out of State/Other |
| | Crowder College www.crowder.edu East Central College www.eastcentral.edu Jefferson College www.jeffco.edu Metropolitan Community College www.mcckc.edu Mineral Area College www.mineralarea.edu Moberly Area Community College www.macc.edu North Central Missouri College www.ncmissouri.edu Ozarks Technical Comm College www.otc.edu St. Charles Community College www.stchas.edu St Louis Community College www.stlcc.edu State Fair Community College www.sfccmo.edu Three Rivers Community College www.trcc.edu | Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm Clinton Tech School www.clinton.k12.mo.us Eldon Career Center - www.eldoncareercenter.org Franklin Technology- MSSU www.ftcjoplin.com Grand River Technical School www.grts.org Hillyard Technical Center www.hillyardtech.com Jefferson College ATS www.jeffco.edu Kirksville Area Tech Center www.kirksville.k12.mo.us Lex La-Ray Tech Center www.lexington.k12.mo.us Moberly Area Tech Center www.moberly.k12.mo.us Northwest Tech School - www.maryville.k12.mo.us Pike-Lincoln Tech Center www.pltc.k12.mo.us Ranken Tech College - www.ranken.edu Saline County Career Center www.marshallschools.com/sccc Sikeston Career and Technology Center www.sikeston.k12.mo.us | Avila University - www.avila.edu Baptist Bible College - www.baptist.edu Bryan College - www.bryancollege.com Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Culver-Stockton College - www.culver.edu DeVry University – www.devry.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Everest College - www.everest-college.com Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College - www.hllq.edu Harris-Stowe State Univ - www.hssu.edu Hickey College - www.hickeycollege.edu Lincoln University - www.lincolnu.edu Lindenwood Univ www.lindenwood.edu Maryville Univ of STL www.maryville.edu Messenger College www.messengercollege.edu Missouri Baptist Univ - www.mobap.edu Missouri College www.missouricollege.com Missouri S&T www.mst.edu MO Southern State Univ - www.mssu.edu Missouri State University www.missouristate.edu Missouri State University – West Plains www.wp.missouristate.edu | Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Patricia Stevens College www.patriciastevenscollege.edu Rockhurst University - www.rockhurst.edu Saint Louis University www.imagine.stu.edu Sanford-Brown College www.sanford-browncollege.com Southeast MO State Univ - www.semo.edu Southwest Baptist Univ - www.sbuniv.edu Stephens College - www.stephens.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu Univ of MO www.missouri.edu Univ of MO – KC www.umkc.edu Univ of MO – St Louis- www.umsl.edu Univ of Phoenix – www.phoenix.edu Vatterott College www.vatterott-college.edu Washington Univ - www.wustl.edu Webster Univ - www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu William Woods Univ www.williamwoods.edu | <ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training Colorado Technical University www.coloradotech.com Daruby School www.darubyschool.com Grantham University www.grantham.edu ITT Technical Institute www.itt-tech.edu Metro Business College www.metrobusinesscollege.edu MVC Computer & Business School www.mvcschool.com National American University www.national.edu TechSkills www.techskills.com Texas County Technical Institute www.texascountytech.edu |
| Sample Careers By Educational Level – For Occupational Specialties, go to www.careertech.org or www.missouriconnections.org | | | | | |
| On-The-Job Training or Less | | Technical Training or Associate Degree | Bachelors Degree | Masters Degree or More | |
| Clerks: Billing, Bookkeeping, Accounting, General Office, Interviewing, Mail, Order, Stock, Payroll & Timekeeping, Shipping & Receiving Operators: Computer, Copy Machine Couriers and Messengers Data Entry Human Resources Assistants Receptionists Secretaries Typists | | Court Reporters First-Line Supervisors/Managers General and Operations Managers Production and Operating Workers | Analysts: Management, Market Research Business Executives Managers: Administrative Services, Advertising, Computer & Information Systems, Human Resources, Property & Real Estate, Public Relations, Purchasing, Sales, Social & Community, Storage & Distribution Specialists: Employee Training, Job Benefits & Analysis, Public Relations, Regulatory Affairs | Business Teacher, Postsecondary Chief Executives Controllers, Treasurers Economists Medical and Health Services Managers Operations Research Analysts Statisticians | |



Festus High School
Education & Training
Career Cluster Suggested Individual Career and Academic Plan
<http://festus.k12.mo.us>

| Minimum Graduation Requirements | | SUGGESTED COURSE OF HIGH SCHOOL STUDY | | | | | | |
|--|-------|---|--|----------------------------------|----------------|---|--|---|
| | | It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit. | | | | | | |
| | Grade | English | Math | Science | Social Studies | Required Courses/ Elective Options | Area Technical School of Jefferson College | Additional Learning Opportunities |
| S e c o n d a r y | 9 | ELA I or Advanced ELA I | Algebra I or Geometry/ Advanced Geometry | Physical Science | World History | PE Lifetime Health Fine Art World Language I Computer Applications I | | School Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ |
| | 10 | ELA II or Advanced ELA II | Geometry/ Advanced Geometry or Algebra II/ Advanced Algebra II | Biology | US History | PE World Language II Public Speaking Computer Applications II Sports & Social Studies | | Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ |
| | 11 | ELA III or Advanced ELA III | Algebra II/ Advanced Algebra II or College Algebra AP Statistics | Gen Chem | US Government | Personal Finance World Language III Students as Tutors/Mentor Child Development I Child Development II General Psychology | <input type="checkbox"/> <u>Early Childhood and Elementary Education I</u> | Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____ |
| | 12 | ELA IV or AP English Lit & Comp | College Algebra AP Statistics | Human Anatomy & Physiology | AP US History | World Language IV AP Psychology Introduction to Sociology Cadet Teaching Library as Practice Exploring the Field of Education AP Psychology | <input type="checkbox"/> <u>Early Childhood and Elementary Education I</u> <input type="checkbox"/> <u>+Early Childhood and Elementary Education II</u> | Placement Assessment: <input type="checkbox"/> ACCUPLACER <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ |
| | | Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: _____ | | | | | | |

ATS symbol key : ♦Articulated Credit □Dual Credit +Prerequisites M Mathematics C Communications **BOLD – AM ONLY PROGRAM** *Italicized – PM ONLY PROGRAM* Underlined – AM & PM

High School credit earned is dependent upon Sending School Transcription

Career Cluster Sample Individual Career and Academic Plan

| Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org | | | | | |
|--|--|---|---|--|---|
| P o s t s e c o n d a r y | Community College | Technical School/Training Institution | In State | | Out of State/Other |
| | Crowder College www.crowder.edu East Central College www.eastcentral.edu Jefferson College www.jeffco.edu Metropolitan Community College www.mcckc.edu Mineral Area College www.mineralarea.edu Moberly Area Community College www.macc.edu North Central Missouri College www.ncmissouri.edu Ozarks Tech Community College www.otc.edu St. Charles Community College www.stchas.edu St Louis Community College www.stlcc.edu State Fair Community College www.sfccmo.edu Three Rivers Community College www.trcc.edu | Jefferson College Area Technical School www.jeffco.edu | Avila University - www.avila.edu Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Cottey College - www.cottey.edu Culver-Stockon College www.culver.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College www.hlg.edu Harris-Stowe State Univ - www.hssu.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Missouri Baptist Univ - www.mobap.edu Maryville University of St. Louis www.maryville.edu Messenger College www.messengercollege.edu MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri State University – West Plains www.wp.missouristate.edu Missouri Valley College – www.moval.edu Missouri Western State University www.missouriwestern.edu | Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Rockhurst University www.rockhurst.edu Saint Louis Univ - www.imagine.stu.edu St Louis Christian College www.slcconline.edu Southeast MO State University www.semo.edu Southwest Baptist University www.sbuniv.edu Stephens College - www.stephens.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu Univ of MO www.missouri.edu Univ of MO – KC www.umkc.edu University of MO – St Louis www.umsu.edu Washington Univ - www.wustl.edu Westminster College www.westminster-mo.edu Webster University www.websteruniv.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu | <ul style="list-style-type: none">• Apprenticeship• Military• On-the-Job Training Baptist Bible College & Graduate School www.baptist.edu Calvary Bible College and Theological Seminary - www.calvary.edu Colorado Technical University www.coloradotech.com Conception Seminary College www.conceptionabbey.org Grantham University www.grantham.edu National American University www.national.edu Paris II Educational Center www.parisii.net Wentworth Military Academy www.wma1880.org |
| Sample Careers By Educational Level – For Occupational Specialties, go to www.careertech.org or www.missouriconnections.org | | | | | |
| On-The-Job Training or Less | | Technical Training or Associate Degree | Bachelors Degree | Masters Degree or More | |
| Coaches and Scouts Library Assistant Teacher Aides | | Adult and Vocational Education Instructors Fitness Trainers and Aerobics Instructors Library Technical Assistants Preschool Teachers Teacher Assistants | Adult and Vocational Education Instructors Teachers: Adult Literacy, Remedial Education, GED, Elementary School, High School, Kindergarten, Middle School, Special Education Audio-Visual Specialists Employee Training Specialists Poets, Lyricists, and Creative Writer Public Health Educators | Audiologists College and University Administrators Curriculum and Instruction Dieticians and Nutritionists Education Administrators Historians and Librarians Instructional Coordinators School Psychologists Speech Pathologists | |



Festus High School
Finance
Career Cluster Suggested Individual Career and Academic Plan
<http://festus.k12.mo.us>

| Minimum Graduation Requirements | | SUGGESTED COURSE OF HIGH SCHOOL STUDY | | | | | | |
|--|-------|---|--|---------------------|----------------|--|--|---|
| | | It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit. | | | | | | |
| | Grade | English | Math | Science | Social Studies | Required Courses/ Elective Options | Area Technical School of Jefferson College | Additional Learning Opportunities |
| S e c o n d a r y | 9 | ELA I or Advanced ELA I | Algebra I or Geometry/ Advanced Geometry | Physical Science | World History | PE Lifetime Health Fine Art World Language I | | School Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ |
| | 10 | ELA II or Advanced ELA II | Geometry/ Advanced Geometry or Algebra II/ Advanced Algebra II | Biology | US History | PE World Language II Computer Applications I | | Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ |
| | 11 | ELA III or Advanced ELA III | Algebra II/ Advanced Algebra II or Precalculus AP Statistics | Gen Chem | US Government | Personal Finance World Language III Computer Applications II Accounting Marketing I | <input type="checkbox"/> Business Management I | Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____ |
| | 12 | ELA IV or AP English Lit & Comp | AP Statistics AP Calculus AB | | AP US History | World Language IV Business Mgmt & Ent Marketing II Retailing/School Based Enterprise Supervised Marketing Experience | <input type="checkbox"/> Business Management I <input type="checkbox"/> +Business Management II | Placement Assessment: <input type="checkbox"/> ACCUPLACER <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ |
| | | Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: _____ | | | | | | |

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High School credit earned is dependent upon Sending School Transcription

Career Cluster Sample Individual Career and Academic Plan

| Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org | | | | | |
|--|--|--|--|---|--|
| P o s t s e c o n d a r y | Community College | Technical School/Training Institution | In State | | Out of State/Other |
| | Crowder College www.crowder.edu East Central College www.eastcentral.edu Jefferson College www.jeffco.edu Metropolitan Community College www.mcckc.edu Moberly Area Community College www.macc.edu North Central Missouri College www.ncmissouri.edu Ozarks Technical Comm College www.otc.edu St Louis Community College www.stlcc.edu St. Charles Community College www.stchas.edu State Fair Community College www.sfccmo.edu Three Rivers Community College www.trcc.edu | | Avila University - www.avila.edu Central Methodist University www.centralmethodist.edu Columbia College - www.ccis.edu College of the Ozarks - www.coto.edu Culver-Stockon College www.culver.edu DeVry University – www.devry.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Everest College www.everest-college.com Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College www.hlg.edu Hickey College - www.hickeycollege.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville Univeristy of St. Louis www.maryville.edu Missouri College www.missouricollege.com Missouri S&T www.mst.edu MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri Valley College www.moval.edu Missouri Western State University www.missouriwestern.edu | Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Rockhurst University www.rockhurst.edu Saint Louis University www.imagine.stu.edu Southeast MO State University www.semo.edu Stephens College - www.stephens.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu Univ of MO – www.missouri.edu Univ of MO – KC www.umkc.edu Univ of MO – STL www.umsi.edu Washington University - www.wustl.edu Webster University - www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu Vatterott College www.vatterott-college.edu | <ul style="list-style-type: none">• Apprenticeship• Military• On-the-Job Training Colorado Technical University www.coloradotech.com National American University www.national.edu |
| Sample Careers By Educational Level – For Occupational Specialties, go to www.careertech.org or www.missouriconnections.org | | | | | |
| On-The-Job Training or Less | | Technical Training or Associate Degree | Bachelors Degree | Masters Degree or More | |
| Bank Tellers Bill and Account Collectors Brokerage Clerks Credit Checkers and Authorizers Insurance Adjusters and Examiners Insurance Claims Clerk Insurance Policy and Claims Clerks Loan Clerks Tax Preparers Title Examiners and Searchers | | Claims Examiners, Property & Casualty Insurance Insurance Appraisers, Auto Damage Insurance Sales Agents Insurance Underwriters | Accountants and Auditors Appraisers and Assessors Budget Analysts Credit Analysts Financial Analysts Financial Examiners Financial Managers Insurance Agents Insurance Underwriters Loan Officers Securities Salespeople | Actuaries Business Teachers, Postsecondary Economists Treasurers and Controllers | |



Festus High School
Government & Public Administration
Career Cluster Suggested Individual Career and Academic Plan
<http://festus.k12.mo.us>

| Minimum Graduation Requirements | | SUGGESTED COURSE OF HIGH SCHOOL STUDY | | | | | | |
|--|-------|---|--|---------------------|----------------|--|--|---|
| | | It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit. | | | | | | |
| | Grade | English | Math | Science | Social Studies | Required Courses/ Elective Options | Area Technical School of Jefferson College | Additional Learning Opportunities |
| S e c o n d a r y | 9 | ELA I or Advanced ELA I | Algebra I or Geometry/ Advanced Geometry | Physical Science | World History | PE Lifetime Health Fine Art World Language I Computer Applications I | | School Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ |
| | 10 | ELA II or Advanced ELA II | Geometry/ Advanced Geometry or Algebra II/ Advanced Algebra II | Biology | US History | PE World Language II Public Speaking | | Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ |
| | 11 | ELA III or Advanced ELA III | Algebra II/ Advanced Algebra II or College Algebra AP Statistics | Gen Chem | US Government | Personal Finance General Psychology Military History Accounting | <input type="checkbox"/> Business Management I | Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____ |
| | 12 | ELA IV or AP English Lit & Comp | College Algebra AP Statistics | | AP US History | Digital Media Web Design Contemporary Issues World Religions Intro to Sociology AP Psychology | <input type="checkbox"/> Business Management I <input type="checkbox"/> +Business Management II | Placement Assessment: <input type="checkbox"/> ACCUPLACER <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ |
| | | Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: _____ | | | | | | |

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Career Cluster Sample Individual Career and Academic Plan

| Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org | | | | | |
|--|---|--|---|---|--|
| P o s t s e c o n d a r y | Community College | Technical School/Training Institution | In State | | Out of State/Other |
| | Crowder College www.crowder.edu East Central College www.eastcentral.edu Moberly Area Community College www.macc.edu | Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm Clinton Technical School www.ed2go.com/cts Franklin Technology – MSSU www.ftcjoplin.com Grand River Technical School www.grts.org Hillyard Technical Center www.hillyardtech.com Lex La-Ray Technical Center www.lexington.k12.mo.us Moberly Area Technical Center www.moberly.k12.mo.us Pike-Lincoln Technical Center http://pltc.k12.mo.us Saline County Career Center www.marshallschools.com/sccc Sikeston Career & Technology Center www.sikestone.k12.mo.us | Avila University www.avila.edu Central Methodist University www.centralmethodist.edu College of the Ozarks www.cofo.edu Columbia College www.ccis.edu Culver-Stockton College www.culver.edu Drury University www.drury.edu Evangel University www.evangel.edu Everest College www.everest-college.edu Fontbonne University www.fontbonne.edu Harris-Stowe State University www.hssu.edu Lincoln University www.lincolnu.edu Lindenwood University www.lindenwood.edu Maryville University of Saint Louis www.maryville.edu Missouri Baptist University www.mobap.edu Missouri Southern State University www.mssu.edu Missouri State University www.missouristate.edu | Missouri Valley College www.moval.edu Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Park University www.park.edu Rockhurst University www.rockhurst.edu Saint Louis University www.slu.edu Southeast MO State University www.semo.edu Southwest Baptist University www.sbuniv.edu Stephens College www.stephens.edu Truman State University www.truman.edu University of Central Missouri www.ucmo.edu University of MO – Columbia www.missouri.edu University of Missouri – Kansas City www.umkc.edu University of MO – St Louis www.umsl.edu Washington University www.wustl.edu Webster University www.webster.edu | <ul style="list-style-type: none"> Apprenticeship Military On-the-Job Training ITT Technical Institute www.itt-tech.edu Kansas City Art Institute www.kcai.edu National American University www.national.edu |
| Sample Careers By Educational Level – For Occupational Specialties, go to www.careertech.org or www.missouriconnections.org | | | | | |
| On-The-Job Training or Less | | Technical Training or Associate Degree | Bachelors Degree | Masters Degree or More | |
| Compliance Officers and Inspectors Government Benefits Interviewers Interpreters and Translators License Clerks Mail Carriers Meter Readers Postal Clerks | | Assessors Eligibility Interviewers, Government Programs General, Operations and Transportation Managers Government Property Inspectors and Investigators Licensing Examiners and Inspectors Mapping Technicians Municipal and Court Clerks Postmasters and Mail Superintendents Surveying Technicians Tax Examiners, Collectors, and Revenue Agents Tax Preparers | Administrative Services Managers Broadcast News Analysts & Public Relations Specialists City and Regional Planning Aides Emergency Management Specialists Equal Opportunity Representatives and Officers Financial Examiners Legislators Reporters and Correspondents Social and Community Service Managers Storage and Distribution Managers Urban and Regional Planners | Architecture Teachers, Postsecondary Chief Executives Communications Teachers, Postsecondary Coroners Economists Engineering Managers Political Science Teachers, Postsecondary Political Scientists | |



Festus High School
Health Sciences
Career Cluster Suggested Individual Career and Academic Plan
<http://festus.k12.mo.us>

| Minimum Graduation Requirements | | SUGGESTED COURSE OF HIGH SCHOOL STUDY | | | | | | |
|--|-------|---|---|--|----------------|--|---|---|
| | | It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit. | | | | | | |
| | Grade | English | Math | Science | Social Studies | Required Courses/ Elective Options | Area Technical School of Jefferson College | Additional Learning Opportunities |
| S e c o n d a r y | 9 | ELA I or Advanced ELA I | Algebra I or Geometry/ Advanced Geometry | Physical Science | World History | PE Lifetime Health Fine Art World Language I | | School Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ |
| | 10 | ELA II or Advanced ELA II | Geometry/ Advanced Geometry or Algebra II/ Advanced Algebra II | Biology Honors Chem | US History | PE World Language II Computer Applications I | | Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ |
| | 11 | ELA III or Advanced ELA III | Algebra II/ Advanced Algebra II or College Algebra Precalculus AP Statistics | Gen Chem Ecology AP Chemistry | US Government | Personal Finance World Language III Fitness & Conditioning Nutrition Now Child Development I General Psychology | <u>Health Services I (must be 16) (M&CI)</u> | Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____ |
| | 12 | ELA IV or AP English Lit & Comp | College Algebra AP Statistics AP Calculus AB | Adv Biology Human Anatomy & Physiology AP Physics I | AP US History | World Language IV AP Psychology | <u>Health Services II (must be 16) (M&CI)</u> <input type="checkbox"/> Fire Science | Placement Assessment: <input type="checkbox"/> ACCUPLACER <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ |
| | | Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: _____ | | | | | | |

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Career Cluster Sample Individual Career and Academic Plan

| Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org | | | | | |
|---|---|---|--|--|--|
| P o s t s e c o n d a r y | Community College | Technical School/Training Institution | In State | | Out of State/Other |
| | Crowder College www.crowder.edu East Central College www.eastcentral.edu Jefferson College www.jeffco.edu Metropolitan Comm College www.mccck.edu Mineral Area College www.mineralarea.edu Moberly Area Comm College www.macc.edu North Central MO College www.ncmissouri.edu Ozarks Tech Comm College www.otc.edu St. Charles Comm College www.stchas.edu St Louis Community College www.stlcc.edu State Fair Community College www.sfccmo.edu Three Rivers Comm College www.trcc.edu | Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm Cass Career Center www.harrisonville.k12.mo.us Columbia Career Center www.career-center.org Four Rivers Technical Center www.washington.k12.mo.us Franklin Tech - MSSU www.ftcjoplin.com Grand River Tech School - www.grts.org Herndon Career Center www.herndoncareercenter.com Hillyard Technical Center www.hillyardtech.com Jefferson College ATS www.jeffco.edu Kennett Career and Technology Center www.kennett.k12.mo.us Lex La-Ray Tech Ctr - www.lexington.k12.mo.us Moberly Area Tech Center www.moberly.k12.mo.us Northland Career Center www.northlandcareercenter.com NW Tech School - www.maryville.k12.mo.us Poplar Bluff Schools - www.r1schools.org Sikeston Career and Technology Center www.sikeston.k12.mo.us South Central Career Center www.wphs.k12.mo.us Waynesville Technical Academy www.waynesville.k12.mo.us | AT Skill University of Health Sciences www.atsu.edu Avila University - www.avila.edu Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Culver-Stockton College - www.culver.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Everest College www.everest-college.com Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College www.hlg.edu Harris-Stowe State Univ - www.hssu.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville Univ www.maryville.edu Missouri College www.missouricollege.com Missouri Baptist Univ - www.mobap.edu MO Southern State Univ - www.mssu.edu Missouri State University www.missouristate.edu Missouri State University – West Plains www.wp.missouristate.edu | Missouri Valley College www.moval.edu Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Patricia Stevens College www.patriciastevenscollege.edu Rockhurst University - www.rockhurst.edu Saint Louis Univ - www.imagine.stu.edu Sanford-Brown College www.sanford-browncollege.com Southeast MO State - www.semo.edu Southwest Baptist Univ www.sbuuniv.edu Stephens College www.stephens.edu Truman State Univ www.truman.edu Univ of Central MO www.ucmo.edu Univ of MO - www.missouri.edu Univ of MO – KC www.umkc.edu Univ of MO – STL- www.umsi.edu Univ of Phoenix – www.phoenix.edu Washington Univ - www.wustl.edu Webster Univ - www.websteruniv.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu | Allied College - www.hightechinstitute.edu Barnes-Jewish College of Nursing & Allied Health - www.barnesjewishcollege.edu Cleveland Chiropractic College www.cleveland.edu Colorado Tech Univ www.coloradotech.com Cox Health - www.coxhealth.com Chamberlain College of Nursing www.chamberlain.edu Heritage Col- www.heritage-college.com Cox College of Nursing & Health Science www.coxcollege.edu Logan Coll of Chiropractic - www.logan.edu Lutheran School of Nursing www.nursingschoolimc.com Kansas City Univ of Med & Biosciences - www.kcumb.edu Research Med Ctr School of Nuclear www.researchmedicalcenter.com St John's Reg Health Ctr www.stjohns.com Saint Luke's Col- www.saint-lukes.org St Louis College of Health Careers www.slchc.com St Louis Coll Pharmacy - www.stlcoop.edu Southeast MO Hospital Col of Nursing www.souteastmissourihospital.com Truman Med Ctr School - Nurse Anesthesia www.trumed.org |
| Sample Careers By Educational Level – For Occupational Specialties, go to www.careertech.org or www.missouriconnections.org | | | | | |
| On-The-Job Training or Less | | Technical Training or Associate Degree | Bachelors Degree | Masters Degree or More | |
| Dental Assistants Dental Laboratory Technicians Home Health Aides Medical Appliance Technicians Medical Assistants Medical Equipment Preparers Medical Secretaries Personal and Home Care Aides Pharmacy Aides Pharmacy Technicians Physical Therapist Aides Psychiatric Aides | | Dental Hygienists Licensed Practical Nurses Medical Sonographers Medical Transcriptionists Nursing Assistants Registered Nurses Technicians: Emergency Medical, Health Information, Medical Laboratory, Veterinary Technologists: Cardiovascular, Radiologic, Surgical, Veterinary Therapists: Occupational Assistant, Physical Assistant, Radiation, Respiratory | Administrative Services Managers Athletic Trainers, Recreational Therapists Biomedical Engineers Computer Programmers Computer Software Engineers, Applications Dietitians, Health Educators Medical and Clinical Laboratory Technologists Medical Laboratory Technologists Occupational Health and Safety Specialists Orthotic and Prosthetic Specialists Public Relations Specialists Rehabilitation Counselors | Athletic Trainers, Physical and Occupational Therapists Biologists, Physicists, Hydrologists, Epidemiologists Clinical Psychologists and Mental Health Counselors Dietitians and Nutritionists Medical and Health Services Managers Medical Scientists, Except Epidemiologists Natural Sciences Mgrs, Zoologists and Wildlife Biologists Nurse Anesthetists and Physician Assistants Orthotics and Prosthetics Pharmacists Speech-Language Pathologists Veterinarians | |



Festus High School
Hospitality & Tourism
Career Cluster Suggested Individual Career and Academic Plan
<http://festus.k12.mo.us>

| Minimum Graduation Requirements | | SUGGESTED COURSE OF HIGH SCHOOL STUDY | | | | | | |
|--|-------|---|--|---------------------|----------------|--|---|---|
| | | It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit. | | | | | | |
| | Grade | English | Math | Science | Social Studies | Required Courses/ Elective Options | Area Technical School of Jefferson College | Additional Learning Opportunities |
| S e c o n d a r y | 9 | ELA I or Advanced ELA I | Algebra I or Geometry/ Advanced Geometry | Physical Science | World History | PE Lifetime Health Fine Art World Language I Computer Applications I | | School Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ |
| | 10 | ELA II or Advanced ELA II | Geometry/ Advanced Geometry or Algebra II/ Advanced Algebra II | Biology | US History | PE World Language II Public Speaking Nutrition Now Food Preparation | | Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ |
| | 11 | ELA III or Advanced ELA III | Algebra II/ Advanced Algebra II or College Algebra AP Statistics | Gen Chem | US Government | <u>Personal Finance</u> World Language III Business Mgmt & Ent Marketing I Accounting Contemporary Issues Digital Media Web Design | <u>♦Culinary Arts I (M&C I)</u> <input type="checkbox"/> Business Management I | Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____ |
| | 12 | ELA IV or AP English Lit & Comp | College Algebra AP Statistics | | AP US History | Intro to Sociology World Language IV World Religions Marketing II Retailing/School Based Enterprise Supervised Marketing Experience | <u>♦Culinary Arts I (M&C I)</u> <u>♦+Culinary Arts II (C II)</u> <input type="checkbox"/> Business Management I <input type="checkbox"/> +Business Management II | Placement Assessment: <input type="checkbox"/> ACCUPLACER <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ |
| | | Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: _____ | | | | | | |

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Career Cluster Sample Individual Career and Academic Plan

| Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org | | | | | |
|--|---|---|--|--|--|
| P o s t s e c o n d a r y | Community College | Technical School/Training Institution | In State | | Out of State/Other |
| | Crowder College www.crowder.edu | Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm | Avila University - www.avila.edu | Rockhurst University - www.rockhurst.edu | • Apprenticeship |
| | East Central College www.eastcentral.edu | Gibson Technical Center www.wolves.k12.mo.us/gtc | Central Methodist University www.centralmethodist.edu | Saint Louis Univ - www.imagine.stu.edu | • Military |
| | Jefferson College www.jeffco.edu | Jefferson College Area Technical Center www.jeffco.edu | College of the Ozarks - www.coto.edu | Southeast MO State Univ - www.semo.edu | • On-the-Job Training |
| | Metropolitan Community College www.mcckc.edu | Lake Career and Technical Center www.camdentonschools.org | Columbia College - www.ccis.edu | Southwest Baptist Univ - www.sbuniv.edu | Kansas City Art Institute www.kcai.edu |
| | Mineral Area College www.mineralarea.edu | Lebanon Technology Career Center www.lebanon.k12.mo.us | Culver-Stockton College www.culver.edu | Truman State Univ - www.truman.edu | Lecole Culinaire www.lecoleculinarie.com |
| | Ozarks Tech Community College www.otc.edu | Macon Area Vocational Tech School www.macon.k12.mo.us/vocational | Drury University - www.drury.edu | Univ of Central MO - www.ucmo.edu | Midwestern Baptist Theological Seminary – www.mbts.edu |
| | St Louis Community College www.stlcc.edu | Northland Career Center www.northlandcareercenter.com | Evangel University - www.evangel.edu | Univ of MO www.missouri.edu | |
| | Three Rivers Community College www.trcc.edu | Northwest Tech School - www.maryville.k12.mo.us | Fontbonne Univ - www.fontbonne.edu | Univ of MO – KC www.umkc.edu | |
| | | Nevada Regional Technical Center www.nevada.k12.mo.us.us | Lincoln University - www.lincolnu.edu | Univ of MO – STL - www.umsl.edu | |
| | Pemiscot County Career & Tech Ctr | Lindenwood Univ - www.lindenwood.edu | Washington Univ - www.wustl.edu | | |
| | South Central Career Center www.wphs.k12.mo.us | Missouri Baptist Univ - www.mobap.edu | Webster Univ www.websteruniv.edu | | |
| | Waynesville Technical Academy www.waynesville.k12.mo.us | MO Southern State University www.mssu.edu | Westminster College www.westminster-mo.edu | | |
| | | Missouri State University www.missouristate.edu | William Jewell College - www.jewell.edu | | |
| | | Missouri Valley College www.moval.edu | William Woods University www.williamwoods.edu | | |
| | | Missouri Western State University www.missouriwestern.edu | | | |
| | | Northwest Missouri State University www.nwmissouri.edu | | | |
| | | Park University - www.park.edu | | | |
| Sample Careers By Educational Level – For Occupational Specialties, go to www.careertech.org or www.missouriconnections.org | | | | | |
| On-The-Job Training or Less | | Technical Training or Associate Degree | Bachelors Degree | Masters Degree or More | |
| Amusement and Recreation Workers | Baggage Porters and Bellhops | Animal Trainers | Interpreters and Translators | Farm and Home Management Advisors | |
| Bartenders | Casino Gaming Workers | Casino Gaming Workers | Meeting and Convention Planners | | |
| Chefs and Dinner Cooks | Concierges | First-Line Supervisors/Managers of Housekeeping and | Recreation Workers | | |
| Counter Attendants | Fast Food Cooks | Janitorial Workers | Set and Exhibit Designers | | |
| Food Preparation Workers | Hotel Desk Clerks | Flight Attendants | Social and Community Service | | |
| Janitors and Cleaners | | Food Service Managers | Managers | | |
| Kitchen Helpers | | Lodging Managers | | | |
| Maids and Housekeepers | | Reservation and Transportation Ticket Agents and Travel | | | |
| Professional Athletes | | Clerks | | | |
| Recreation Attendants, Guides, and Workers | | Residential Advisors | | | |
| Reservation and Ticket Agents | | Self-Enrichment Education Teachers | | | |
| Restaurant Hosts | | Travel Agents | | | |
| Tour Guides | | | | | |
| Umpires and Referees | | | | | |
| Waiters and Waitresses | | | | | |



Festus High School
Human Services
Career Cluster Suggested Individual Career and Academic Plan
<http://festus.k12.mo.us>

| Minimum Graduation Requirements | | SUGGESTED COURSE OF HIGH SCHOOL STUDY | | | | | | |
|--|-------|---|--|----------------------|----------------|--|--|---|
| | | It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit. | | | | | | |
| | Grade | English | Math | Science | Social Studies | Required Courses/ Elective Options | Area Technical School of Jefferson College | Additional Learning Opportunities |
| S e c o n d a r y | 9 | ELA I or Advanced ELA I | Algebra I or Geometry/ Advanced Geometry | Physical Science | World History | PE Lifetime Health Fine Art World Language I | | School Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ |
| | 10 | ELA II or Advanced ELA II | Geometry/ Advanced Geometry or Algebra II/ Advanced Algebra II | Biology | US History | PE World Language II Public Speaking | | Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ |
| | 11 | ELA III or Advanced ELA III | Algebra II/ Advanced Algebra II or College Algebra AP Statistics | Gen Chem | US Government | Personal Finance World Language III Food Preparation Nutrition Now Accounting General Psychology | <input type="checkbox"/> <u>Early Childhood and Elementary Education I</u> | Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____ |
| | 12 | ELA IV or AP English Lit & Comp | College Algebra AP Statistics | Anatomy & Physiology | AP US History | Child Development I Child Development II AP Psychology Introduction to Sociology World Religions Exploring the Field of Education | <input type="checkbox"/> <u>Early Childhood and Elementary Education I</u> <input type="checkbox"/> <u>+Early Childhood and Elementary Education II</u> | Placement Assessment: <input type="checkbox"/> ACCUPLACER <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ |
| | | | | | | | | Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: _____ |

ATS symbol key : ♦Articulated Credit □Dual Credit +Prerequisites M Mathematics C Communications **BOLD – AM ONLY PROGRAM** *Italicized – PM ONLY PROGRAM* Underlined – AM & PM

High School credit earned is dependent upon Sending School Transcription

Career Cluster Sample Individual Career and Academic Plan

| Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org | | | | | |
|--|---|--|---|--|--|
| P o s t s e c o n d a r y | Community College | Technical School/Training Institution | In State | | Out of State/Other |
| | Crowder College www.crowder.edu East Central College www.eastcentral.edu St Louis Community College www.stlcc.edu | Colorado Technical University www.coloradotech.com Davis Hart Career Center www.mexicoschools.net Herndon Career Center www.herndoncareercenter.com Heritage Tech Institute www.hightechinstitute.edu Jefferson College ATS www.jeffco.edu Massage Therapy Training Institute www.massagetherapytraininginstitute.com Midwest Institute www.midwestinstitute.com Neosho Beauty College www.neosho-beautycollege.com Paris II Educational Center - www.parisii.net Patsy & Robs Academy of Beauty www.praob.edu Pinnacle Career Institute www.pcittraining.edu Professional Massage Training Center www.pmtc.edu Regency Beauty Institute www.regencybeauty.com St Charles School of Massage Therapy www.dayspaacademy.net | Allied College - www.alliedcollege.edu Avila University - www.avila.edu Central Bible College – www.cbcag.edu Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Conception Seminary College www.conceptionabbey.org Culver-Stockton College www.culver.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College www.hlg.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville Univ STL www.maryville.edu Messenger College www.messengercollege.edu Metro Business College www.metrobusinesscollege.edu Midwest University - www.midwest.edu Missouri Baptist Univ - www.mobap.edu Missouri College www.missouricollege.com Missouri College of Cosmetology www.missouricosmo.com MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri Valley College www.moval.edu | Missouri Western State University www.missouriwestern.edu Northwest Missouri State Univ www.nwmissouri.edu Ozark Christian College - www.occ.edu Park University - www.park.edu Rockhurst Univ www.rockhurst.edu Saint Louis Christian College www.slcconline.edu St Louis College of Health Careers www.slchc.com Saint Louis Univ - www.slu.edu Sanford-Brown College www.sanford-browncollege.com Southeast MO State University www.semo.edu Southwest Baptist University www.sbu.edu Truman State Univ www.truman.edu Univ of Central MO www.ucmo.edu Univ of MO www.missouri.edu Univ of MO – KC www.umkc.edu Univ of MO – STL - www.umsi.edu Vatterott College www.vatterott-college.edu Washington Univ - www.wustl.edu Webster Univ www.websteruniv.edu Westminster College www.westminster-mo.edu William Woods University www.williamwoods.edu | <ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training Aquinas Institute of Theology www.ai.edu Assemblies of God Theological Seminary – www.agts.edu Calvary Bible College & Theological Seminary – www.calvary.edu Concordia Seminary - www.csl.edu Covenant Theological Seminary www.covenantseminary.edu Eden Theological Seminary www.eden.edu Elaine Steven Beauty College www.elainestevenbeautycollege.com Grabber School of Hair Design www.grabberschool.com House of Heavlin Beauty College www.kc-hair.com Independence College of Cosmetology www.hair-skin-nails.com Kenrick Glennon Seminary www.kenrick.edu Merrell University of Beauty Arts & Science - www.merrelluniversity.edu Midwestern Baptist Theological Seminary - www.mbts.edu Nazarene Theological Seminary www.nts.edu St Paul School of Theology www.spst.edu |
| Sample Careers By Educational Level – For Occupational Specialties, go to www.careertech.org or www.missouriconnections.org | | | | | |
| On-The-Job Training or Less | | Technical Training or Associate Degree | Bachelors Degree | Masters Degree or More | |
| Child Care Workers Customer Service Representatives Funeral Attendants Laundry and Dry Cleaning Workers Lifeguards and Other Recreational Protective Service Workers Residential Counselors Social and Human Service Assistants | | Barbers Embalmers and Funeral Director Government Programs Hairstylists and Cosmetologists Manicurists Preschool Teacher Professional Makeup Artists Residential Advisors Skin Care Specialists Social and Human Service Assistants | Addiction Counselors Director, Religious Activities and Education Early Childhood Educator Financial Counselors Health Educators Recreation Workers Rehabilitation Counselors Social and Community Service Manager Social Workers | Clergy Industrial-Organizational Psychologists Marriage and Family therapists Mental Health Counselors Psychologists Rehabilitation Counselors School Counselors Social Workers Substance Abuse and Behavioral Disorder Counselors Teachers, Postsecondary | |



Festus High School
Information Technology
Career Cluster Suggested Individual Career and Academic Plan
<http://festus.k12.mo.us>

| Minimum Graduation Requirements | | SUGGESTED COURSE OF HIGH SCHOOL STUDY | | | | | | |
|--|-------|---|--|---------------------|----------------|--|--|---|
| | | It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit. | | | | | | |
| | Grade | English | Math | Science | Social Studies | Required Courses/ Elective Options | Area Technical School of Jefferson College | Additional Learning Opportunities |
| S e c o n d a r y | 9 | ELA I or Advanced ELA I | Algebra I or Geometry/ Advanced Geometry | Physical Science | World History | PE Lifetime Health Fine Art World Language I Computer Applications I Computer Applications II | | School Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ |
| | 10 | ELA II or Advanced ELA II | Geometry/ Advanced Geometry or Algebra II/ Advanced Algebra II | Biology | US History | PE World Language II Yearbook Journalism | | Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ |
| | 11 | ELA III or Advanced ELA III | Algebra II/ Advanced Algebra II or Precalculus AP Statistics | Gen Chem | US Government | Personal Finance Computer Science Digital Media | <input type="checkbox"/> <u>Digital Media Technology I</u> | Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____ |
| | 12 | ELA IV or AP English Lit & Comp | AP Statistics AP Calculus AB | | AP US History | Web Design Digital Publishing AP Computer Science Prin Live Stream Productions | <input type="checkbox"/> <u>Digital Media Technology I</u> <input type="checkbox"/> <u>+Digital Media Technology I & II</u> | Placement Assessment: <input type="checkbox"/> ACCUPLACER <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ |
| | | Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: _____ | | | | | | |

ATS symbol key : ◆Articulated Credit □Dual Credit +Prerequisites M Mathematics C Communications **BOLD – AM ONLY PROGRAM** *Italicized – PM ONLY PROGRAM* Underlined – AM & PM

High School credit earned is dependent upon Sending School Transcription

Career Cluster Sample Individual Career and Academic Plan

| Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org | | | | | |
|--|--|--|---|---|---|
| P o s t s e c o n d a r y | Community College | Technical School/Training Institution | In State | | Out of State/Other |
| | Crowder College www.crowder.edu East Central College www.eastcentral.edu Jefferson College www.jeffco.edu Linn State Technical College www.linnstate.edu Metropolitan Community College www.mcckc.edu Mineral Area College www.mineralarea.edu Moberly Area Community College www.macc.edu North Central Missouri College www.ncmissouri.edu Ozarks Technical Comm College www.otc.edu St. Charles Community College www.stchas.edu St Louis Community College www.stlcc.edu State Fair Community College www.sfccmo.edu Three Rivers Community College www.trcc.edu | Davis Hart Career Center www.mexicoschools.net Herndon Career Center www.herndoncareercenter.com Jefferson College Area Technical Center www.jeffco.edu Kirksville Area Tech Center www.kirksville.k12.mo.us Waynesville Technical Academy www.waynesville.k12.mo.us | A.T. Skill University of Health Sciences www.atsu.edu Avila University - www.avila.edu Bryan College - www.bryancollege.com Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Culver-Stockton College - www.culver.edu DeVry University - www.devry.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Everest College www.everest-college.com Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College www.hlg.edu Harris-Stowe State Univ - www.hssu.edu Hickey College - www.hickeycollege.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville Univ of St. Louis www.maryville.edu Missouri Baptist Univ - www.mobap.edu Missouri College www.missouricollege.com Missouri S&T www.mst.edu MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri State University – West Plains www.wp.missouristate.edu Missouri Valley College www.moval.edu | Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Rockhurst University - www.rockhurst.edu Saint Louis University www.imagine.stu.edu Sanford-Brown College www.sanford-browncollege.com Southeast MO State University www.semo.edu Southwest Baptist University www.sbuniv.edu Truman State Univ www.truman.edu Univ of Central MO - www.ucmo.edu Univ of MO www.missouri.edu Univ of MO – KC www.umkc.edu Univ of MO – STL- www.umsl.edu Univ of Phoenix – www.phoenix.edu Vatterott College www.vatterott-college.edu Washington University - www.wustl.edu Webster University www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu | <ul style="list-style-type: none"> Apprenticeship Military On-the-Job Training Colorado Technical University www.coloradotech.com Grantham University www.grantham.edu ITT Technical Institute www.itt-tech.edu Kansas City Art Institute www.kcai.edu Midwest Institute www.midwestinstitute.com Missouri Tech www.motech.edu National American University www.national.edu Pinnacle Career Institute www.pctraining.edu Texas County Technical Institute www.texascountytech.edu |
| Sample Careers By Educational Level – For Occupational Specialties, go to www.careertech.org or www.missouriconnections.org | | | | | |
| On-The-Job Training or Less | | Technical Training or Associate Degree | Bachelors Degree | Masters Degree or More | |
| | | Computer Operators Computer Support Specialists Network Systems and Data Communications Analysts Numerical Tool and Process Control Programmers Web Administrators Web Developers | Computer and Information Systems Managers Computer Engineers, Programmers, Security Specialists, Software Engineers, Administrators, Analysts Data Communications analysts Database Administrators Graphic Designers & Multi-Media Artists and Animators Network and Computer Systems Administrators Software Quality Assurance Engineers and Testers | Computer and Information Scientists, Research Computer Science Teachers, Postsecondary Engineering Managers | |



Festus High School
Law, Public Safety, Corrections & Security
Career Cluster Suggested Individual Career and Academic Plan
<http://festus.k12.mo.us>

| Minimum Graduation Requirements | | SUGGESTED COURSE OF HIGH SCHOOL STUDY | | | | | | |
|--|-------|---|--|---------------------|----------------|---|---|---|
| | | It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit. | | | | | | |
| | Grade | English | Math | Science | Social Studies | Required Courses/ Elective Options | Area Technical School of Jefferson College | Additional Learning Opportunities |
| S e c o n d a r y | 9 | ELA I or Advanced ELA I | Algebra I or Geometry/ Advanced Geometry | Physical Science | World History | PE Lifetime Health Fine Art World Language I Computer Applications I | | School Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ |
| | 10 | ELA II or Advanced ELA II | Geometry/ Advanced Geometry or Algebra II/ Advanced Algebra II | Biology | US History | PE World Language II Public Speaking Fitness & Conditioning | | Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ |
| | 11 | ELA III or Advanced ELA III | Algebra II/ Advanced Algebra II or College Algebra AP Statistics | Gen Chem | US Government | Personal Finance World Language III Military History General Psychology | <input type="checkbox"/> Business Management I | Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____ |
| | 12 | ELA IV or AP English Lit & Comp | College Algebra AP Statistics | | AP US History | AP Psychology World Language IV Digital Media Contemporary Issues World Religions Intro to Sociology | <input type="checkbox"/> Fire Science <input type="checkbox"/> Business Management I +Business Management II | Placement Assessment: <input type="checkbox"/> ACCUPLACER <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ |
| | | Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: _____ | | | | | | |

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High School credit earned is dependent upon Sending School Transcription

Career Cluster Sample Individual Career and Academic Plan

| Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org | | | | | |
|--|--|--|---|---|--|
| P o s t s e c o n d a r y | Community College | Technical School/Training Institution | In State | | Out of State/Other |
| | Crowder College www.crowder.edu | Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm | Avila University - www.avila.edu | Park University - www.park.edu | • Apprenticeship |
| | East Central College www.eastcentral.edu | Columbia Career Center www.career-center.org | College of the Ozarks - www.coto.edu | Patricia Stevens College www.patriciastevenscollege.edu | • Military |
| | Jefferson College www.jeffco.edu | Grand River Tech School - www.grts.org | Columbia College - www.ccis.edu | Rockhurst University www.rockhurst.edu | • On-the-Job Training |
| | Linn State Technical College www.statetechmo.edu | Hillyard Technical Center www.hillyardtech.com | Drury University - www.drury.edu | Saint Louis Univ - www.slu.edu | Allied College www.alliedcollege.edu |
| | Metropolitan Community College www.mcckc.edu | Jefferson College Area Technical Center www.jeffco.edu | Evangel University - www.evangel.edu | Southeast MO State University www.semo.edu | High Tech Institute www.hightechinstitute.edu |
| | Mineral Area College www.mineralarea.edu | Rolla Technical Institute www.rolla.k12.mo.us | Everest College www.everest-college.com | Southwest Baptist University www.sbuniv.edu | National American University www.national.edu |
| | Moberly Area Community College www.macc.edu | Sikeston Career and Technology Center www.sikeston.k12.mo.us | Hannibal-Lagrange College www.hlg.edu | Univ of Central MO - www.ucmo.edu | Texas County Technical Institute www.texascountytech.edu |
| | North Central MO College www.ncmissouri.edu | Waynesville Technical Academy www.waynesville.k12.mo.us | Hickey College www.hickeycollege.edu | Univ of MO www.missouri.edu | |
| | Ozarks Tech Community College www.otc.edu | | Lindenwood Univ - www.lindenwood.edu | Univ of MO – KC www.umkc.edu | |
| | St. Charles Community College www.stchas.edu | | Maryville University of St. Louis www.maryville.edu | Univ of MO – STL - www.umsi.edu | |
| | St Louis Community College www.stlcc.edu | | MO Southern State University www.mssu.edu | Univ of Phoenix – www.phoenix.edu | |
| | State Fair Community College www.sfccmo.edu | | Missouri State University www.missouristate.edu | Vatterott College www.vatterott-college.edu | |
| | Three Rivers Community College www.trcc.edu | | Missouri State University – West Plains www.wp.missouristate.edu | Washington Univ - www.wustl.edu | |
| | | | Missouri Western State University www.missouriwestern.edu | Webster Univ - www.websteruniv.edu | |
| | | | | William Woods University www.williamwoods.edu | |
| Sample Careers By Educational Level – For Occupational Specialties, go to www.careertech.org or www.missouriconnections.org | | | | | |
| On-The-Job Training or Less | | Technical Training or Associate Degree | Bachelors Degree | Masters Degree or More | |
| Ambulance Drivers Animal Control Workers Bailiffs Corrections Officers Court Clerks Crossing Guards Fire Fighters Forest Fire Fighters Gaming Surveillance Officers and Gaming Investigators Life Guards and Ski Patrolters Parking Enforcement Officers and Workers Police, Fire, and Ambulance Dispatchers Security Guards Sheriffs Transportation Security Agents | | Correctional Officers and Jailers Court Reporters Emergency Medical Technicians and Paramedics Fire Inspectors and Investigators First-Line Supervisors/Managers of Police and Detectives Forest Fire Fighting and Prevention Supervisors Forest Fire Inspectors and Prevention Specialists Legal Secretaries Municipal Fire Fighting and Prevention Supervisors Paralegals and Legal Assistants Police Detectives and Patrol Officers Police Identification and Records Officers Private Detectives and Investigators Sheriffs and Deputy Sheriffs Title Examiners, Abstractors, and Searchers Transit and Railroad Police | Arbitrators and Mediators Coroners Correctional Treatment Specialists Criminal Investigators and Special Agents Emergency Management Specialists Forensic Science Technicians Immigration and Customs Inspectors Judges and Hearing Officers Law Clerks Probation Officers | Anthropology and Archeology Teachers, Postsecondary Child, Family, and School Social Workers Criminal Justice and Law Enforcement Teachers, Postsecondary Lawyer Psychology Teachers, Postsecondary | |



Festus High School
Manufacturing
Career Cluster Suggested Individual Career and Academic Plan
<http://festus.k12.mo.us>

| Minimum Graduation Requirements | | SUGGESTED COURSE OF HIGH SCHOOL STUDY | | | | | | |
|--|-------|---|--|---------------------|----------------|---|--|---|
| | | It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit. | | | | | | |
| | Grade | English | Math | Science | Social Studies | Required Courses/ Elective Options | Area Technical School of Jefferson College | Additional Learning Opportunities |
| S e c o n d a r y | 9 | ELA I or Advanced ELA I | Algebra I or Geometry/ Advanced Geometry | Physical Science | World History | PE Lifetime Health Fine Art World Language I Industrial Technology Engineering Essentials | | School Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ |
| | 10 | ELA II or Advanced ELA II | Geometry/ Advanced Geometry or Algebra II/ Advanced Algebra II | Biology | US History | PE World Language II Computer Applications I Carpentry Computer Science Intro Engineering Design | | Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ |
| | 11 | ELA III or Advanced ELA III | Industrial Math or Algebra II/ Advanced Algebra II or College Algebra Precalculus AP Statistics | Gen Chem | US Government | Personal Finance Principles of Engineering AP Computer Science Prin | ♦Metal Fabrication I (M&C I) <input type="checkbox"/> Welding Technology I <u>Building Repair Technology I (M&C I)</u> ♦Residential Carpentry I (M&C I) | Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____ |
| | 12 | ELA IV or AP English Lit & Comp | College Algebra AP Statistics Calculus | AP Physics I | AP US History | Power Tech Electricity/Electronics | <input type="checkbox"/> Computer Integrated Manufacturing ♦Metal Fabrication I (M&C I) ♦+Metal Fabrication II (C II) <input type="checkbox"/> Welding Technology I <input type="checkbox"/> +Welding Technology II <u>Building Repair Technology I (M&C I)</u> <u>+Building Repair Technology II (C II)</u> ♦Residential Carpentry I (M&C I) | Placement Assessment: <input type="checkbox"/> ACCUPLACER <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ |
| | | Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: _____ | | | | | | |

ATS symbol key : ♦Articulated Credit □Dual Credit +Prerequisites M Mathematics C Communications **BOLD – AM ONLY PROGRAM** *Italicized – PM ONLY PROGRAM* Underlined – AM & PM

High School credit earned is dependent upon Sending School Transcription

Career Cluster Individual Career and Academic Plan

| Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org | | | | | |
|---|---|--|--|--|---|
| P o s t s e c o n d a r y | Community College | Technical School/Training Institution | In State | | Out of State/Other |
| | Crowder College www.crowder.edu Jefferson College www.jeffco.edu Linn State Technical College www.linnstate.edu Metropolitan Community College www.mcckc.edu Mineral Area College www.mineralarea.edu North Central Missouri College www.ncmissouri.edu Ozarks Technical Comm College www.otc.edu St Louis Community College www.stlcc.edu State Fair Community College www.sfccmo.edu Three Rivers Community College www.trcc.edu | Grand River Technical School www.grts.org Herndon Career Center www.herndoncareercenter.com Hillyard Technical Center www.hillyardtech.com Jefferson College ATS www.jeffco.edu Lamar Area VoTech www.lamar.k12.mo.us Lex La-Ray Tech Center www.lexington.k12.mo.us Kirksville Area Tech Center www.kirksville.k12.mo.us North Central Career Center www.shr2.k12.mo.us Northland Career Center www.northlandcareercenter.com Northwest Tech School www.maryville.k12.mo.us Perryville Area Career/Tech Center www.perryville.k12.mo.us Ranken Tech College - www.ranken.edu South Central Career Center www.wphs.k12.mo.us Southwest Area Career Center www.swacc.k12.mo.us | Avila University - www.avila.edu Baptist Bible College - www.baptist.edu Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Culver-Stockton College - www.culver.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Everest College www.everest-college.edu Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College - www.hlg.edu Harris-Stowe State Univ - www.hssu.edu Hickey College www.hickeycollege.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville Univ of St. Louis www.maryville.edu Messenger College www.messengercollege.edu Missouri Baptist Univ - www.mobap.edu Missouri College - www.missouricollege.com Missouri S & T www.mst.edu MO Southern State Univ - www.mssu.edu MO State www.missouristate.edu Missouri State University – West Plains www.wp.missouristate.edu | Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Rockhurst University www.rockhurst.edu Saint Louis University www.slu.edu Sanford-Brown College www.sanford-browncollege.com Southeast MO State Univ www.semo.edu Southwest Baptist Univ www.sbu.edu Stephens College - www.stephens.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu Univ of MO - www.missouri.edu Univ of MO – KC www.umkc.edu Univ of MO – STL www.umsu.edu Washington Univ - www.wustl.edu Webster Univ - www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu | <ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training Colorado Technical University www.coloradotech.com DeVry University www.drury.edu Foley-Belsaw Institute www.foley-belsaw.com Grantham University www.grantham.edu ITT Technical Institute www.itt-tech.edu National American University www.national.edu Texas County Technical Institute www.texascountytech.edu |
| Sample Careers By Educational Level – For Occupational Specialties, go to www.careertech.org or www.missouriconnections.org | | | | | |
| On-The-Job Training or Less | | Technical Training or Associate Degree | Bachelors Degree | Masters Degree or More | |
| Locksmiths Machinists Metal and Plastic Processing Workers Operators: Crane and Tower, Hoist and Winch, Painting and Coating Machine, Power Plant, Tire Building Machine, Woodworking Machine Precision Assemblers Quality Control Inspectors Small Engine Mechanics Tailors Tool and Die Makers Tool Grinders Upholsterers Vehicle Painters | | Automotive Electronics Installers Computer, ATM, and Office Machine Repairers Electric Motor Repairers Home Electronics Repairers Industrial Electronics Repairers Jewelers Manufacturing Production Technicians Security and Fire Alarm Systems Installers Semiconductor Processing Operators Welders and Solders Welding and Soldering Machine Operators | Chemical Engineers Occupational Health and Safety Specialists Safety Engineers | | |



Festus High School
Marketing
Career Cluster Suggested Individual Career and Academic Plan
<http://festus.k12.mo.us>

| Minimum Graduation Requirements | | | SUGGESTED COURSE OF HIGH SCHOOL STUDY | | | | | |
|--|-------|--|--|---------------------|----------------|---|--|--|
| It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit. | | | | | | | | |
| | Grade | English | Math | Science | Social Studies | Required Courses/ Elective Options | Area Technical School of Jefferson College | Additional Learning Opportunities |
| S e c o n d a r y | 9 | ELA I or Advanced ELA I | Algebra I or Geometry/ Advanced Geometry | Physical Science | World History | PE Lifetime Health Fine Art World Language I Computer Applications I Marketing I | | School Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:_____ |
| | 10 | ELA II or Advanced ELA II | Geometry/ Advanced Geometry or Algebra II/ Advanced Algebra II | Biology | US History | PE World Language II Public Speaking Computer Applications II Accounting Marketing II Retailing/School Based Enterprise | | Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other:_____ |
| | 11 | ELA III or Advanced ELA III | Algebra II/ Advanced Algebra II or College Algebra AP Statistics | Gen Chem | US Government | Personal Finance World Language III Digital Media Retailing/School Based Enterprise Marketing I Web Design | <input type="checkbox"/> Business Management I | Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other_____ |
| | 12 | ELA IV or AP English Lit & Comp | College Algebra AP Statistics | | AP US History | World Language IV Digital Publishing Introduction to Sociology General Psychology Business Mgmt & Ent Retailing/School Based Enterprise Supervised Marketing Experience | <input type="checkbox"/> Business Management I <input type="checkbox"/> +Business Management II | Placement Assessment: <input type="checkbox"/> ACCUPLACER <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other:_____ |
| Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other:_____ | | | | | | | | |

ATS symbol key : ♦Articulated Credit □Dual Credit +Prerequisites M Mathematics C Communications **BOLD – AM ONLY PROGRAM** *Italicized – PM ONLY PROGRAM* Underlined – AM & PM

High School credit earned is dependent upon Sending School Transcription

Career Cluster Sample Individual Career and Academic Plan

| Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org | | | | | |
|---|--|--|--|--|---|
| P o s t s e c o n d a r y | Community College | Technical School/Training Institution | In State | | Out of State/Other |
| | East Central College www.eastcentral.edu Crowder College www.crowder.edu Jefferson College www.jeffco.edu Metropolitan Community College www.mcckc.edu Mineral Area College www.mineralarea.edu Moberly Area Community College www.macc.edu North Central Missouri College www.ncmissouri.edu Ozarks Technical Comm College www.otc.edu St. Charles Community College www.stchas.edu St Louis Community College www.stlcc.edu State Fair Community College www.sfccmo.edu Three Rivers Community College www.trcc.edu | Eldon Career Center - www.eldoncareercenter.org Hannibal Career and Technical Center www.hannibal.tec.mo.us Jefferson College Area Technical Center www.jeffco.edu Waynesville Technical Academy www.waynesville.k12.mo.us Northwest Tech School www.maryville.k12.mo.us Rankin Tech College - www.ranken.edu | Avila University - www.avila.edu Baptist Bible College - www.baptist.edu Bryan College - www.bryancollege.com Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Culver-Stockton College www.culver.edu DeVry University – www.devry.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College www.hlg.edu Harris-Stowe State Univ - www.hssu.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville Univ STL www.maryville.edu Missouri Baptist Univ - www.mobap.edu Missouri College www.missouricollege.com Missouri S&T www.mst.edu MO Southern www.mssu.edu MO State www.missouristate.edu Missouri State University – West Plains www.wp.missouristate.edu MO Valley College www.moval.edu | Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Rockhurst Univ- www.rockhurst.edu Saint Louis Univ www.slu.edu Sanford-Brown College www.sanford-browncollege.com SEMO www.semo.edu Southwest Baptist Univ www.sbuniv.edu Stephens College www.stephens.edu Truman State Univ www.truman.edu Univ of Central MO www.ucmo.edu Univ of MO – www.missouri.edu Univ of MO – KC www.umkc.edu Univ of MO – STL- www.umsi.edu Washington Univ - www.wustl.edu Webster Univ - www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu William Woods University www.williamwoods.edu | <ul style="list-style-type: none"> Apprenticeship Military On-the-Job Training Colorado Technical University www.coloradotech.com Grantham University www.grantham.edu ITT Technical Institute www.itt-tech.edu National American University www.national.edu |
| Sample Careers By Educational Level – For Occupational Specialties, go to www.careertech.org or www.missouriconnections.org | | | | | |
| On-The-Job Training or Less | | Technical Training or Associate Degree | Bachelors Degree | Masters Degree or More | |
| Advertising Salespeople Buyers and Purchasing Agents Cashiers Counter and Rental Clerks Demonstrators and Promoters Floral Designers Merchandise Displayers Models Opticians Parts Salespeople Retail Salespeople Route Salespeople Telemarketers | | Advertising Sales Agents Assessors Fashion Designers Interior Designers Lodging Managers Property, Real Estate, and Community Association Managers Real Estate Brokers Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products Travel Agents Travel Guides Wholesale and Retail Buyers, Except Farm Products | Art Directors Editors Market Research Analysts Public Relations Specialists Sales Managers Sales Representatives Survey Researchers Technical Writers | Business Teacher, Postsecondary Marketing Managers Public Relations Managers Purchasing Managers Sales Managers | |



Festus High School
Science, Technology, Engineering & Mathematics
Career Cluster Suggested Individual Career and Academic Plan
<http://festus.k12.mo.us>

| Minimum Graduation Requirements | | SUGGESTED COURSE OF HIGH SCHOOL STUDY | | | | | | |
|--|-------|---|--|--|----------------|---|--|---|
| | | It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit. | | | | | | |
| | Grade | English | Math | Science | Social Studies | Required Courses/ Elective Options | Area Technical School of Jefferson College | Additional Learning Opportunities |
| S e c o n d a r y | 9 | ELA I or Advanced ELA I | Algebra I or Geometry/ Advanced Geometry | Physical Science | World History | PE Lifetime Health Fine Art (Intro to Art) World Language I Industrial Technology Engineering Essentials | | School Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ |
| | 10 | ELA II or Advanced ELA II | Geometry/ Advanced Geometry or Algebra II/ Advanced Algebra II | Biology | US History | PE World Language II Computer Applications I Carpentry Intro Engineering Design | | Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ |
| | 11 | ELA III or Advanced ELA III | Algebra II/ Advanced Algebra II or Precalculus AP Statistics | Honors Chem AP Physics I Earth Science | US Government | Personal Finance World Language III Drawing Computer Science Principles of Engineering Digital Media | | Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____ |
| | 12 | ELA IV or AP English Lit & Comp | AP Statistics AP Calculus AB | AP Chemistry AP Physics II Adv Biology Earth Science II | AP US History | World Language IV 3-D Design Electricity/Electronics AP Computer Science Prin Digital Publishing | <input type="checkbox"/> Computer Integrated –Manufacturing | Placement Assessment: <input type="checkbox"/> ACCUPLACER <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ |
| | | Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: _____ | | | | | | |

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High School credit earned is dependent upon Sending School Transcription

Career Cluster Sample Individual Career and Academic Plan

| Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org | | | | | |
|--|---|--|---|---|--|
| P o s t s e c o n d a r y | Community College | Technical School/Training Institution | In State | | Out of State/Other |
| | Crowder College www.crowder.edu East Central College www.eastcentral.edu Jefferson College www.jeffco.edu Metropolitan Community College www.mcckc.edu St. Charles Community College www.stchas.edu St Louis Community College www.stlcc.edu | Missouri Tech www.motech.edu | Avila University - www.avila.edu Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Culver-Stockon College www.culver.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville University of St. Louis www.maryville.edu Missouri Baptist Univ - www.mobap.edu MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu MO University of Science & Technology www.mst.edu Missouri Western State University www.missouriwestern.edu | Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Rockhurst University www.rockhurst.edu Saint Louis University www.imagine.stu.edu Southeast MO State University www.semo.edu Southwest Baptist University www.sbuniv.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu Univ of MO www.missouri.edu Univ of MO – KC www.umkc.edu Univ of MO – STL - www.umsli.edu Washington Univ - www.wustli.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.edu | <ul style="list-style-type: none">• Apprenticeship• Military• On-the-Job Training Grantham University www.grantham.edu |
| Sample Careers By Educational Level – For Occupational Specialties, go to www.careertech.org or www.missouriconnections.org | | | | | |
| On-The-Job Training or Less | | Technical Training or Associate Degree | Bachelors Degree | | Masters Degree or More |
| | | Electronics Engineering Technologists Engineering Technicians Manufacturing Engineering Technologists Science Technicians | Aerospace Engineers Cartographers Civil Engineers Electrical and Electronics Engineers Energy Engineers Geospatial Information Scientists and Technologists Industrial Engineers Materials Engineers Meteorologists Nuclear Engineers Photonics Engineers Remote Sensing Scientists and Technologists | | Anthropologists Archeologists Astronomers Biologists Environmental Scientists Geographers Geologists and Geophysicists Historians Mathematicians Physicists Political Scientists Robotics Engineers Sociologists |
| | | | Biomedical Engineers Chemists Environmental Engineers Manufacturing Engineers Mechanical Engineers Mining Engineers Petroleum Engineers | | |



Festus High School
Transportation, Distribution & Logistics
Career Cluster Suggested Individual Career and Academic Plan
<http://festus.k12.mo.us>

| Minimum Graduation Requirements | | SUGGESTED COURSE OF HIGH SCHOOL STUDY | | | | | | |
|--|-------|--|--|---------------------|----------------|--|---|---|
| | | It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit. | | | | | | |
| | Grade | English | Math | Science | Social Studies | Required Courses/ Elective Options | Area Technical School of Jefferson College | Additional Learning Opportunities |
| S e c o n d a r y | 9 | ELA I or Advanced ELA I | Algebra I or Geometry/ Advanced Geometry | Physical Science | World History | PE Lifetime Health Fine Art World Language I Computer Apps I Engineering Essentials | | School Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ |
| | 10 | ELA II or Advanced ELA II | Geometry/ Advanced Geometry or Algebra II/ Advanced Algebra II | Biology | US History | PE World Language II Industrial Technology Computer Apps II Intro Engineering Design | | Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ |
| | 11 | ELA III or Advanced ELA III | Algebra II/ Advanced Algebra II or College Algebra AP Statistics | Gen Chem | US Government | Personal Finance Principles of Engineering Accounting Business Mgmt & Ent Computer Science | | Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____ |
| | 12 | ELA IV or AP English Lit & Comp | College Algebra AP Statistics | AP Physics I | AP US History | Power Tech Electricity/Electronics | <input type="checkbox"/> Automotive Technology | Placement Assessment: <input type="checkbox"/> ACCUPLACER <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ |
| | | Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: _____ | | | | | | |

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High School credit earned is dependent upon Sending School Transcription

Career Cluster Sample Individual Career and Academic Plan

| Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org | | | | | |
|---|---|--|--|--|--|
| P o s t s e c o n d a r y | Community College | Technical School/Training Institution | In State | | Out of State/Other |
| | Crowder College www.crowder.edu East Central College www.eastcentral.edu Hannibal-Lagrange College www.hlg.edu Jefferson College www.jeffco.edu Linn State Technical College www.linnstate.edu Metropolitan Community College www.mccc.edu Mineral Area College www.mineralarea.edu Moberly Area Community College www.macc.edu North Central Missouri College www.ncmissouri.edu Ozarks Technical Comm College www.otc.edu Ranken Technical College www.ranken.edu Sanford-Brown College www.sanford-browncollege.com St Louis Community College www.stlcc.edu State Fair Community College www.sfccmo.edu | Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm Davis Hart Career www.mexicoschools.net Four Rivers Career Center www.washington.k12.mo.us Gibson Tech Ctr www.wolves.k12.mo.us/gtc Grand River Tech School - www.grts.org Hannibal Career and Technical Center www.hannibal.tec.mo.us Herndon Career Center www.herndoncareercenter.com Kirksville Area Tech www.kirksville.k12.mo.us Lake Career and Technical Center www.camdentonschools.org Lebanon Technology and Career Ctr www.lebanon.k12.mo.us/lccc Nichols Career Center www.jcps.k12.mo.us Northland Career Center www.northlandcareercenter.com NW Tech School www.maryville.k12.mo.us Pike-Lincoln Tech Ctr - www.pltc.k12.mo.us Rolla Tech Institute - www.rolla.k12.mo.us Sikeston Career & Technology Center www.sikeston.k12.mo.us South Central Career Ctr - www.wphs.k12.mo.us Waynesville Technical Academy www.waynesville.k12.mo.us | Avila University - www.avila.edu Baptist Bible College - www.baptist.edu Central Methodist University www.centralmethodist.edu College of the Ozarks - www.cofo.edu Columbia College - www.ccis.edu Culver-Stockton College - www.culver.edu DeVry University - www.devry.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Everest College - www.everest-college.edu Fontbonne Univ - www.fontbonne.edu Grantham Univ - www.grantham.edu Harris-Stowe State Univ - www.hssu.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville University www.maryville.edu Messenger College www.messengercollege.edu Missouri Baptist Univ - www.mobap.edu Missouri Southern State University www.mssu.edu MO State www.missouristate.edu Missouri State Univ – West Plains www.wp.missouristate.edu Missouri University of Science & Tech www.mst.edu | Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmissouri.edu Park University - www.park.edu Rockhurst Univ - www.rockhurst.edu Patricia Stevens College www.patriciastevenscollege.edu St. Louis Univ - www.imagine.slu.edu SE MO State Univ www.semo.edu Southwest Baptist University www.sbu.edu Stephens College www.stephens.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu Univ of MO– www.missouri.edu Univ of MO – KC www.umkc.edu Univ of MO – STL www.umsu.edu Univ of Phoenix - www.phoenix.edu Vatterott College www.vatterott-college.edu Washington Univ - www.wustl.edu Webster Univ - www.websteruniv.edu Westminster College www.westminster-mo.edu William Jewell www.jewell.edu William Woods University www.williamwoods.edu | <ul style="list-style-type: none"> Apprenticeship Military On-the-Job Training Aviation Institute of Maintenance www.aviationmaintenance.edu Colorado Technical University www.coloradotech.com American Truck Training www.americantrucktraining.com C-1 Truck Driver Training www.c1training.com Midwestern Training Center National American University www.national.edu Nuway Truck Driver Training www.nuwaytruckschools.com Southern MO Truck Driving School www.smtts.com Westwind CDL Training Center www.westwindcdl.com Witte Truck Driving School |
| Sample Careers By Educational Level – For Occupational Specialties, go to www.careertech.org or www.missouriconnections.org | | | | | |
| On-The-Job Training or Less | | Technical Training or Associate Degree | Bachelors Degree | Masters Degree or More | |
| Air Traffic Controllers and Flight Attendants Auto Body Repairers Bicycle Repairers Bus Drivers and School Bus Drivers Dispatchers and Traffic Technicians Freight Handlers Heavy Equipment Mechanics Heavy Truck Drivers Motorboat & Motorcycle Mechanics Parking Lot Attendants Riggers Service Station Attendants, Tire Repairers & Changers Transportation Agents | | Aircraft Mechanic & Automobile Mechanics Bus and Truck Mechanics & Diesel Engine Specialists Electronic Equipment Installers/Repairers, Motor Vehicles & Transportation Equipment First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand First-Line Supervisors/Managers of Transportation Material-Moving Machine and Vehicle Operators Motorboat Mechanics and Motorcycle Mechanics Signal and Track Switch Repairers Traffic Technicians Transportation Vehicle, Equipment/Systems Inspectors | Airline Pilot Logisticians Storage and Distribution Managers | Chief Executive | |

Course Matrix

English - 4 credits required

| <i>SUBJECT</i> | <i>COURSE #</i> | <i>CREDIT</i> | <i>GRADE</i> | <i>PRE-REQ</i> | <i>WEIGHTED</i> | <i>DUAL CREDIT</i> | <i>AP</i> | <i>NCAA APPROVED</i> |
|-------------------------------|------------------------|----------------------|---------------------|--------------------------------|------------------------|---------------------------|------------------|-----------------------------|
| ELA Support (Elective Credit) | H1106 | 1 | 9-10 | | | | | |
| ELA I | H1115 | 1 | 9 | | | | | X |
| Advanced ELA I | H1122 | 1 | 9 | 80%+ Adv Eng | | | | X |
| ELA Credit Recovery | H1123 | 0.5 | 9-10 | Failed 1 sem of ELA I | | | | |
| ELA II | H1145 | 1 | 10 | | | | | X |
| Advanced ELA II | H1152 | 1 | 10 | 80%+ Adv ELA I or 84%+ ELA I | | | | X |
| ELA III | H1165 | 1 | 11 | | | | | X |
| Advanced ELA III | H1172 | 1 | 11 | 80%+ Adv ELA II or 84%+ ELA II | X | | | X |
| ELA IV | H1204 | 1 | 12 | | | | | X |
| AP English Lit & Comp | H1206 H1207 | 0.5 0.5 | 12 | 80%+ Adv ELA III | X | X | X | X |

Social Studies - 3 credits required

| <i>SUBJECT</i> | <i>COURSE #</i> | <i>CREDIT</i> | <i>GRADE</i> | <i>PRE-REQ</i> | <i>WEIGHTED</i> | <i>DUAL CREDIT</i> | <i>AP</i> | <i>NCAA APPROVED</i> |
|-----------------------|------------------------|----------------------|---------------------|-------------------------|------------------------|---------------------------|------------------|-----------------------------|
| World History | H2120 | 1 | 9 | | | | | X |
| US History | H2130 | 1 | 10 | World History | | | | X |
| US Government | H2190 | 1 | 11 | US History | | | | X |
| AP US History | H2137 H2138 | 0.5 0.5 | 12 | US Gov or dept approval | X | X | X | X |

Math - 3 credits required

| <i>SUBJECT</i> | <i>COURSE #</i> | <i>CREDIT</i> | <i>GRADE</i> | <i>PRE-REQ</i> | <i>WEIGHTED</i> | <i>DUAL CREDIT</i> | <i>AP</i> | <i>NCAA APPROVED</i> |
|--|------------------------|----------------------|---------------------|---|------------------------|---------------------------|------------------|-----------------------------|
| Pre Algebra | H3115 | 1 | 9 | | | | | |
| Algebra I | H3130 | 1 | 9-10 | | | | | X |
| Algebra I Support (Elective credit) | H3135 | 1 | 9-10 | Concurrent Alg I, Teacher Recommendation | | | | |
| Geometry | H3170 | 1 | 9-12 | Algebra I | | | | X |
| Advanced Geometry | H3172 | 1 | 9-12 | 80%+ Algebra I | | | | X |
| Industrial Math | H3175 | 1 | 10-12 | Geometry or Adv Geometry | | | | |
| Algebra II | H3180 | 1 | 10-12 | Geometry or Adv Geometry | | | | X |
| Advanced Algebra II | H3185 | 1 | 10-12 | Algebra I and Adv Geometry | | | | X |
| AP Statistics | H3192 | 1 | 10-12 | Algebra II or Adv Algebra II | X | X | X | X |
| College Algebra | H3194 | 1 | 11-12 | 80%+ Algebra II | X | X | | X |
| Pre-Calculus | H3205 | 1 | 11-12 | 80%+ Adv Alg II or Col Alg | X | X | | X |
| AP Calculus AB | H3215 | 1 | 12 | Pre-Calculus | X | X | X | X |

Science - 3 credits required

| <i>SUBJECT</i> | <i>COURSE #</i> | <i>CREDIT</i> | <i>GRADE</i> | <i>PRE-REQ</i> | <i>WEIGHTED</i> | <i>DUAL CREDIT</i> | <i>AP</i> | <i>NCAA APPROVED</i> |
|------------------------|-----------------|---------------|--------------|--------------------------|-----------------|--------------------|-----------|----------------------|
| Physical Science | H4110 | 1 | 9 | | | | | X |
| Biology | H4120 | 1 | 10 | | | | | X |
| Ecology | H4125 | 1 | 11-12 | Biology | | | | X |
| Anatomy/ Physiology | H4140 | 1 | 11-12 | Biology | | | | X |
| Earth Science | H4170 | 0.5 | 11-12 | Phys. Sci. Biology | | | | X |
| Earth Science II | H4175 | 0.5 | 10-12 | Phys. Sci. Geometry | | | | X |
| Gen Chemistry | H4190 | 1 | 9-12 | Phys. Sci, Algebra I* | | | | X |
| Honors Chemistry | H4196 | 1 | 9-12 | Phys. Sci, Algebra I* | X | | | X |
| Adv Biology | H4200 | 1 | 11-12 | Phys. Sci. Biology | X | X | | X |
| AP Physics 1 | H4205 | 1 | 10-12 | Alg II/Adv Alg II | X | | X | X |
| AP Physics 2 | H4215 | 1 | 11-12 | AP Physics I | X | | X | X |
| AP Chemistry | H4265 H4270 | 1 | 10-12 | Honors Chem, Alg II | X | X | X | X |

*Completion of Algebra I, completion or co-enrollment in Physical Science.

World Language

| <i>SUBJECT</i> | <i>COURSE #</i> | <i>CREDIT</i> | <i>GRADE</i> | <i>PRE-REQ</i> | <i>WEIGHTED</i> | <i>DUAL CREDIT</i> | <i>AP</i> | <i>NCAA APPROVED</i> |
|----------------|-----------------|---------------|--------------|----------------|-----------------|--------------------|-----------|----------------------|
| Spanish I | H5110 | 1 | 9-11 | | | | | X |
| Spanish II | H5120 | 1 | 10-12 | Spanish I | | | | X |
| Spanish III | H5130 | 1 | 11-12 | Spanish II | X | X | | X |
| Spanish IV | H5140 | 1 | 12 | Spanish III | X | X | | X |
| French I | H5210 | 1 | 9-11 | | | | | X |
| French II | H5220 | 1 | 9-12 | French I | | | | X |
| French III | H5230 | 1 | 10-12 | French II | X | X | | X |
| French IV | H5240 | 1 | 11-12 | French III | X | X | | X |

Fine Arts - 1 credit required

| <i>SUBJECT</i> | <i>COURSE #</i> | <i>CREDIT</i> | <i>GRADE</i> | <i>PRE-REQ</i> | <i>WEIGHTED</i> | <i>DUAL CREDIT</i> | <i>AP</i> | <i>NCAA APPROVED</i> |
|----------------------------|------------------------|----------------------|---------------------|---------------------------------|------------------------|---------------------------|------------------|-----------------------------|
| Intro To Art | H6110 | 1 | 9-12 | | | | | |
| Drawing | H6120 | 0.5 | 10-12 | Intro to Art | | | | |
| Painting | H6130 | 0.5 | 10-12 | Intro to Art | | | | |
| 3D Design | H6140 | 0.5 | 10-12 | Intro to Art | | | | |
| Pottery I | H6150 | 0.5 | 10-12 | | | | | |
| Pottery II | H6160 | 0.5 | 10-12 | Pottery I | | | | |
| AP Art | H6190 | 1 | 11-12 | Instructor Approval | X | | X | |
| Beginning Piano | H6225 | 0.5 | 9-12 | | | | | |
| Mixed Choir | H6255 | 1 | 9-12 | | | | | |
| Treble Choir | H6256 | 1 | 9-12 | Instructor Approval | | | | |
| Tenor/Bass Choir | H6258 | 1 | 9-12 | Instructor Approval | | | | |
| Concert Choir | H6260 | 1 | 9-12 | Instructor Approval | | | | |
| Marching/ Freshman Band | H6285 | 1 | 9 | Prev. Band Experience | | | | |
| Marching Band | H6290 | 0.5 | 10-12 | Prev. Band Experience | | | | |
| Symphonic Band | H6300 | 0.5 | 10-12 | Director Approval | | | | |
| Concert Band | H6310 | 0.5 or 1.0 | 10-12 | Prev. Band Experience | | | | |
| Jazz Band | H6320 | 1 or 0.5 | 9-12 | Audition &/or Director Approval | | | | |
| AP Music Theory | H6405 | 1 | 9-12 | Instructor Approval | X | | X | |

Personal Finance - .5 credit required

| <i>SUBJECT</i> | <i>COURSE #</i> | <i>CREDIT</i> | <i>GRADE</i> | <i>PRE-REQ</i> | <i>WEIGHTED</i> | <i>DUAL CREDIT</i> | <i>AP</i> | <i>NCAA APPROVED</i> |
|-----------------------|------------------------|----------------------|---------------------|-----------------------|------------------------|---------------------------|------------------|-----------------------------|
| Personal Finance | H7005 | 0.5 | 9-12 | | | X | | |

Practical Arts - .5 credit required

| <i>SUBJECT</i> | <i>COURSE #</i> | <i>CREDIT</i> | <i>GRADE</i> | <i>PRE-REQ</i> | <i>WEIGHTED</i> | <i>DUAL CREDIT</i> | <i>AP</i> | <i>NCAA APPROVED</i> |
|-----------------------------------|------------------------|----------------------|---------------------|-----------------------------|------------------------|---------------------------|------------------|-----------------------------|
| Computer Apps I | H7020 | 0.5 | 9-12 | | | | | |
| Computer Apps II | H7025 | 0.5 | 9-12 | Comp Apps I | | Articulated | | |
| Computer Science | H7058 | 0.5 | 9-12 | | | | | |
| AP Computer Science Principles | H7070 | 1 | 11-12 | 70%+ Algebra I | X | | X | |
| Business Mgmt & Entrepreneurship | H7105 | 0.5 | 11-12 | | | | | |
| Retailing/School Based Enterprise | H7125 | 1.0 | 10-12 | | | | | |
| Digital Media | H7130 | 0.5 | 10-12 | Comp Apps I | | | | |
| Web Design | H7150 | 0.5 | 10-12 | Comp Apps I | | | | |
| Digital Publishing | H7168 | 0.5 | 10-12 | Comp Apps I | | | | |
| Marketing I | H7175 | 0.5 | 10-12 | | | | | |
| Marketing II | H7176 | 0.5 | 11-12 | Marketing I | | | | |
| Accounting | H7190 | 1 | 10-12 | | | Articulated | | |
| Food Preparation | H7230 | 0.5 | 9-12 | | | | | |
| Nutrition Now | H7240 | 0.5 | 9-12 | | | | | |
| Child Dev I | H7250 | 0.5 | 11-12 | | | | | |
| Child Dev II | H7255 | 0.5 | 11-12 | | | | | |
| Industrial Technology | H7300 | 1 | 9-11 | | | | | |
| Engineering Essentials | H7324 | 1 | 9-11 | | | | | |
| Intro to Engineering Design | H7325 | 1 | 9-12 | 70%+ Algebra I | | | | |
| Principles of Engineering | H7326 | 1 | 10-12 | Intro to Engineering Design | | | | |
| Power Technology | H7390 | 0.5 | 10-12 | Industrial Tech | | | | |
| Electricity/Electronics | H7400 | 0.5 | 10-12 | | | | | |
| Carpentry | H7410 | 1 | 10-12 | Industrial Tech | | | | |

Health - .5 credit required

| <i>SUBJECT</i> | <i>COURSE #</i> | <i>CREDIT</i> | <i>GRADE</i> | <i>PRE-REQ</i> | <i>WEIGHTED</i> | <i>DUAL CREDIT</i> | <i>AP</i> | <i>NCAA APPROVED</i> |
|-----------------------|------------------------|----------------------|---------------------|-----------------------|------------------------|---------------------------|------------------|-----------------------------|
| Lifetime Health | H8000 | 0.5 | 9-12 | | | | | |

Physical Education - 1.5 credits required

| <i>SUBJECT</i> | <i>COURSE #</i> | <i>CREDIT</i> | <i>GRADE</i> | <i>PRE-REQ</i> | <i>WEIGHTED</i> | <i>DUAL CREDIT</i> | <i>AP</i> | <i>NCAA APPROVED</i> |
|---------------------------------|------------------------|----------------------|---------------------|-----------------------|------------------------|---------------------------|------------------|-----------------------------|
| Men's Lifetime Physical Ed | H8070 | 0.5 | 9-12 | | | | | |
| Women's Lifetime Physical Ed | H8080 | 0.5 | 9-12 | | | | | |
| Fitness & Conditioning | H8185 | 1 | 9-12 | | | | | |
| Advanced Fitness & Conditioning | H8186 | 1 | 9-12 | Instructor Approval | | | | |
| Zero Hour Lifting for Sport | H8225 | 1 | 10-12 | Instructor Approval | | | | |

Yearlong PE courses can also be taken just for a semester. Semester PE courses can be taken both semesters.

Electives - 7 credits required

| SUBJECT | COURSE # | CREDIT | GRADE | PRE-REQ | WEIGHTED | DUAL CREDIT | AP | NCAA APPROVED |
|----------------------------------|-----------------|---------------|--------------|---|-----------------|--------------------|-----------|----------------------|
| Films as Lit | H1195 | 0.5 | 11-12 | ELA I & II | | | | |
| Intro to Theater | H1235 | 0.5 | 9-12 | | | | | |
| Public Speaking | H1240 | 0.5 | 9-12 | | | | | |
| Adv. Speech & Theater | H1245 | 0.5 | 10-12 | Intro to Theater or Pub Speaking | | | | |
| Creative Writing | H1276 | 0.5 | 10-12 | 1 unit of ELA credit | | | | X |
| Contemporary Issues | H2140 | 0.5 | 10-12 | | | | | X |
| General Psychology | H2160 | 0.5 | 11-12 | | | | | X |
| AP Psychology | H2162 | 1 | 12 | | X | | X | X |
| Intro to Sociology | H2170 | 0.5 | 11-12 | | | | | X |
| World Religions | H2180 | 0.5 | 10-12 | | | | | X |
| Model United Nations | H2185 | 0.5 | 9-12 | | | | | |
| Military History | H2195 | 0.5 | 10-12 | World History | | | | X |
| Sports & Social Studies | H2198 | 0.5 | 9-12 | | | | | |
| Leadership & Service | H9090 | 1 | 9-12 | | | X | | |
| Supervised Marketing Experience | H9096 | 1 | 12 | Co-enrollment in Marketing I&II or Retailing, Instructor Approval | | | | |
| Exploring the Field of Education | | 0.5 | 12 | | | X | | |
| Students as Tutor/Mentor | H9105 | 0.5 | 11-12 | A+ enrollment | | | | |
| Transitions I | H9120 | 0.5 | 9-11 | Counselor Approval | | | | |
| Library Practice | H9130 | 1 | 11-12 | Librarian Rec. | | | | |
| Yearbook Journalism | H9135 | 1 | 10-12 | Instructor Approval | | | | |
| Elementary Cadet Teach | H9144 | 1 | 12 | | | | | |
| Intermediate Cadet Teach | H9146 | 1 | 12 | | | | | |
| Middle Cadet Teach | H9148 | 1 | 12 | | | | | |
| Tiger Time | H9160 | NO CREDIT | ALL | | | | | |
| Advisory | H9162 | NO CREDIT | ALL | | | | | |

Electives Cont.

| <i>SUBJECT</i> | <i>COURSE #</i> | <i>CREDIT</i> | <i>GRADE</i> | <i>PRE-REQ</i> | <i>WEIGHTED</i> | <i>DUAL CREDIT</i> | <i>AP</i> | <i>NCAA APPROVED</i> |
|---------------------------------|------------------------|----------------------|---------------------|-----------------------------------|------------------------|---------------------------|------------------|-----------------------------|
| Principal Office Assistant | H9165 | NO CREDIT | 12 | | | | | |
| Counseling Office Assistant | H9166 | NO CREDIT | 12 | | | | | |
| Asst Principal Office Assistant | H9167 | NO CREDIT | 12 | | | | | |
| Athletic Office Assistant | H9169 | NO CREDIT | 12 | | | | | |
| Tiger Tech Team | H9180 | 1 | 10-12 | Instructor Approval | | | | |
| Live Stream Productions | H9185 | 1 | 10-12 | Live Stream Experience & Approval | | | | |

Course Descriptions

English Language Arts



FULL YEAR COURSES

ELA I
Advanced ELA I
ELA II
Advanced ELA II
ELA III
Advanced ELA III
ELA IV
AP English Literature & Composition

*Some Elective courses can be found starting on page 97

FULL YEAR COURSES

For elective credit only

ELA Support

SEMESTER COURSES

For elective credit only

First Semester

Films as Literature
Intro to Theater
Public Speaking
ELA Credit Recovery

Second Semester

Creative Writing
Public Speaking
Advanced Speech & Theater
ELA Credit Recovery

ELA I (9) This course meets the freshman language arts requirement. It is a combination of language study, reading, and writing with an emphasis on improving analytical skills and logical communication in high school and beyond. The short and full-length writing assessments will keep these two goals as the foundation for the course. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|----------------|
| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H1115 | Credit | 1 unit English |

ADVANCED ELA I (9) Students will fulfill all requirements of ELA I but at a more advanced rate. In addition, the Advanced ELA I student will be required to do more written work, read more short stories and novels, and participate in more projects. The Advanced ELA I student will be challenged to think at higher levels and meet higher expectations. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|-------------------------------------|
| Course Type | Full Year Course | Prerequisite | 80%+ 8 th gr Adv English |
| Course Number | H1122 | Credit | 1 unit English |

ELA CREDIT RECOVERY (9) This course will provide students the opportunity to earn 0.5 credit recovery of ELA, as well as assist students who struggle in ELA and are more than one grade level behind in their reading skills (per STAR & ReadTheory.org assessments) to move closer to Grade Level Equivalency) in reading. Students will develop strategies for better reading comprehension and master the DESE ELA I & II standards for greater success in high school. ELA I-II standards are addressed.

| | | | |
|----------------------|----------------------------|---------------------|-----------------------|
| Course Type | 1st or 2nd Semester Course | Prerequisite | Failed 1 sem of ELA I |
| Course Number | H1123 | Credit | 1 unit English |

ELA II (10) This course meets the sophomore language arts requirement. It combines literature skills, grammar skills, vocabulary development, and writing skills. It builds on all of the knowledge gained from the freshman-level English classes. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|----------------|
| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H1145 | Credit | 1 unit English |

ADVANCED ELA II (10) Advanced ELA II class addresses a combination of grammar, writing, and literature skills as well as vocabulary development. The same ELA II objectives will be addressed but in greater depth and at an accelerated pace. Additional literary selections are included in this course. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|-------------------------------------|
| Course Type | Full Year Course | Prerequisite | 84% English I or 80% Advanced ELA I |
| Course Number | H1152 | Credit | 1 unit English |

ELA III (11) This course meets the junior language arts requirement. It presents a broad sampling of American writers' short stories, essays, plays, poems, and novels. Students will also improve grammar usage and writing skills. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|----------------|
| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H1165 | Credit | 1 unit English |

ADVANCED ELA III (11) This weighted junior level course is designed to challenge high-achieving students who will be taking AP English Literature & Composition as seniors and who expect to attend college. Students will read a variety of American literature selections, review the rules of grammar and usage, and produce a variety of writing projects. ACT test preparation will also be a focus. ****NCAA approved course.**

| | | | |
|----------------------|---------------------------|---------------------|---------------------------------------|
| Course Type | Full Year Weighted Course | Prerequisite | 84% English II or 80% Advanced ELA II |
| Course Number | H1172 | Credit | 1 unit English |

ELA IV (12) This course meets the senior language arts requirement. It will reinforce skills in writing, grammar, and literature. Various short stories, plays, and novels will be read and various writing assignments will be completed. This class will prepare students for the challenges they will face in college-level English courses. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|----------------|
| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H1204 | Credit | 1 unit English |

AP ENGLISH LITERATURE & COMPOSITION (12) This course offers the fourth year of language arts required for those students who seek an honors diploma as well as the opportunity to earn 6 hours of college credit in Composition through Jefferson College. As an added benefit, students will be prepared to take the Advanced Placement exam in May if they choose to pursue college credit for this course by that method. SUMMER READING IS REQUIRED. Students in this course will study a variety of literary genres in addition to Jefferson College's and AP's goals concerning essay writing. Students will practice both shorter and longer essay styles as well as research essays with the intention of being very well prepared to write at the university level. Because of its rigorous content and challenging assignments, students will receive a grade on the weighted grading scale. ****NCAA approved course. *Students with a 3.0 cumulative GPA are eligible for Jefferson College credit. Students with a cumulative GPA between 2.5 and 2.99 are eligible for Jefferson College credit with parent permission, an ACT English score of at least 18, and an ACT Reading score of at least 18. An ACCUPLACER Next Generation score of at least 246 may be substituted in lieu of the required ACT scores. In order to be eligible for college credit semester two, college credit with a minimum grade of C must have been earned in semester one.**

| | | | |
|----------------------|---------------------------------|---------------------|----------------------|
| Course Type | Full Year Weighted Course | Prerequisite | 80% Advanced ELA III |
| Course Number | H1206 - 1st sem/H1207 - 2nd sem | Credit | 1 unit English |

For Elective Credit Only

ELA SUPPORT (9, 10) ELA Support is designed to provide ELA I & II students with extra interventions, practices, and support to ensure their success in ELA courses. Students who previously struggled in pre-requisite ELA classes, have a GLE in reading below grade level, and are recommended by previous teachers or counselors meet the course requirements and should be enrolled in this course.

| | | | |
|----------------------|------------------|---------------------|-----------------------|
| Course Type | Full Year Course | Prerequisite | See Description Above |
| Course Number | H1106 | Credit | 1 unit Elective |

FILMS AS LITERATURE (11, 12) Students in this course will write using strategies such as analysis, illustration, classification, and comparison and contrast as they analyze films and film techniques in a manner similar to the way that we analyze other literary forms. Students are expected to view films actively. Daily note taking, class discussion, essay writing, and oral presentations are requirements.

| | | | |
|----------------------|---------------------|---------------------|--|
| Course Type | 1st Semester Course | Prerequisite | 9 th and 10 th grade English |
| Course Number | H1195 | Credit | 0.5 unit Elective |

INTRO TO THEATER (9, 10, 11, 12) Students will learn about the history of the theater and periods of western drama. Students will learn the basics of stage positions and areas, and the projection of believable characters. Students will also learn the technical aspects of theater, building a set, and producing a play.

| | | | |
|----------------------|---------------------------------|---------------------|-------------------|
| Course Type | 1 st Semester Course | Prerequisite | None |
| Course Number | H1235 | Credit | 0.5 unit Elective |

PUBLIC SPEAKING (9, 10, 11, 12) Students will learn the skills of effective oral communication in both daily living and in special public speaking situations. Students will work individually and in groups to develop skills in discussion, presentation, and persuasion. Students will participate in weekly speaking assignments in the areas of informative, special event, debate, and persuasive speaking.

| | | | |
|----------------------|--|---------------------|-------------------|
| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H1240 | Credit | 0.5 unit Elective |

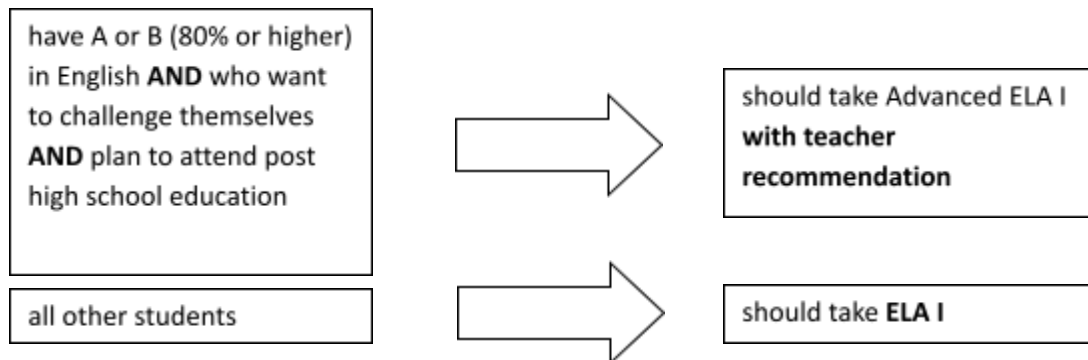
ADVANCED SPEECH & THEATER (10, 11, 12) Students will continue to improve speaking and listening skills while engaging in and learning about modern drama, advanced acting techniques, script and speech writing, and theater production design.

| | | | |
|----------------------|---------------------------------|---------------------|-------------------------------------|
| Course Type | 2 nd Semester Course | Prerequisite | Intro to Theater or Public Speaking |
| Course Number | H1245 | Credit | 0.5 unit Elective |

CREATIVE WRITING (10, 11, 12) This is an elective course intended to be taken in addition to a core English course. Creative Writing is an advanced writing course giving students the opportunity to further develop their talent in the areas of personal essay, fiction, poetry, and drama. Students will explore numerous types of genres as they work through the writing process and will be expected to identify their strengths and weaknesses as a writer. ****NCAA approved course.**

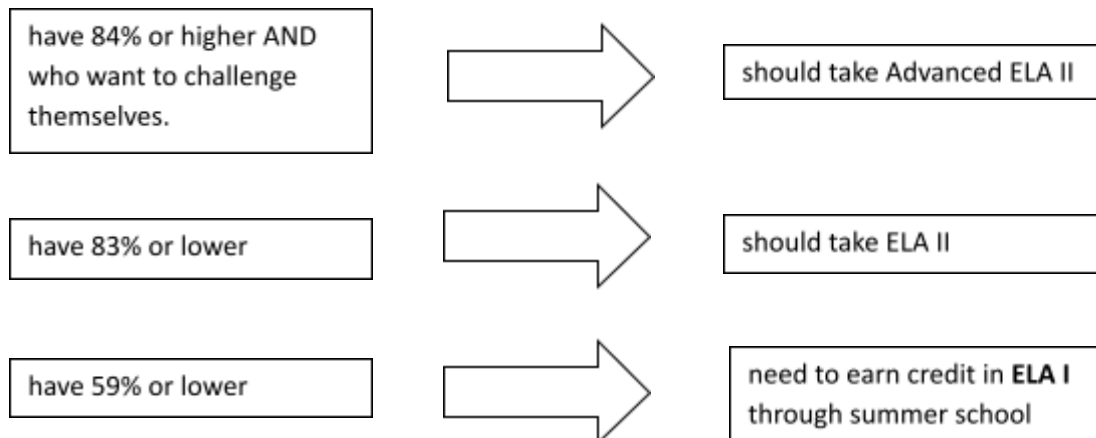
| | | | |
|----------------------|---------------------------------|---------------------|--------------------------|
| Course Type | 2 nd Semester Course | Prerequisite | One Language Arts Credit |
| Course Number | H1276 | Credit | 0.5 unit Elective |

Current eighth grade students who:



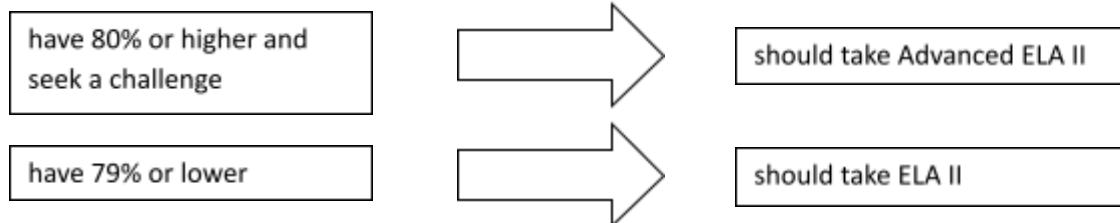
Always use the student's English average for first semester and second semester so far.

Current ELA I students who:



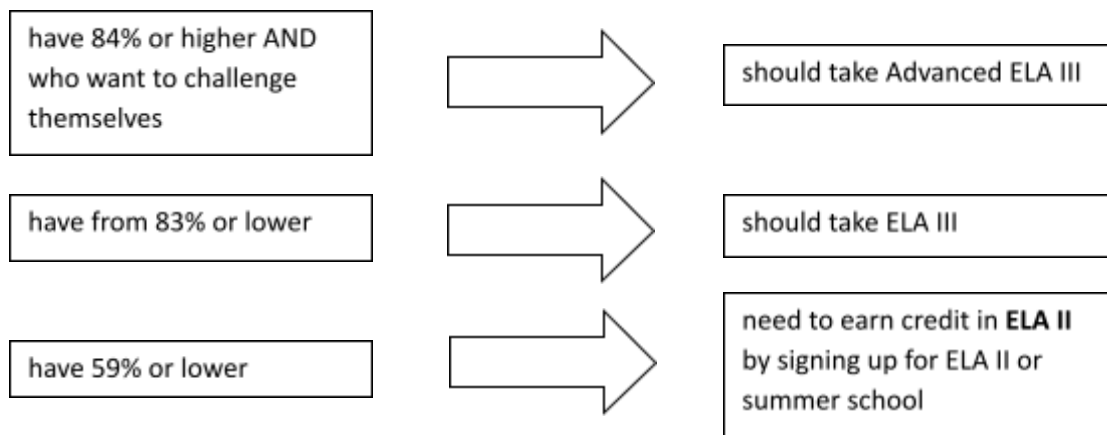
Always use the student's English average for first semester and second semester so far.

Current Advanced ELA I students who:



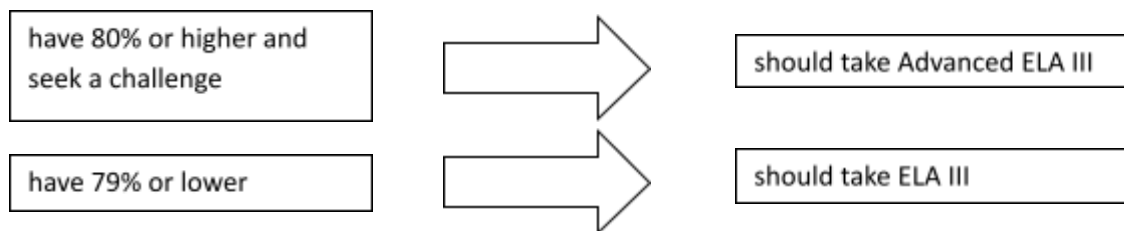
Always use the student's English average for first semester and second semester so far.

Current ELA II students who:



Always use the student's English average for first semester and second semester so far.

Current Advanced ELA II students who:



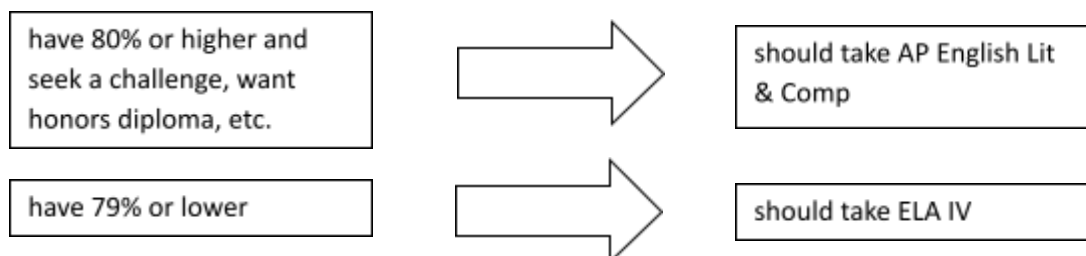
Always use students' English average for first semester and second semester so far.

Current ELA III students:

| |
|-------------------------------------|
| will ALL register for ELA IV |
|-------------------------------------|

Always use the student's English average for first semester and second semester so far.

Current Advanced ELA III students who:



Always use the student's English average for first semester and second semester so far.

Social Studies



FULL YEAR COURSES

World History
US History
US Government
AP US History

*Social Studies Elective courses can also be found starting on page 97

FULL YEAR COURSES

For elective credit only

AP Psychology

SEMESTER COURSES

For elective credit only

First Semester

General Psychology
Introduction to Sociology
World Religions
Military History
Sports and Social Studies
Model United Nations

Second Semester

Contemporary Issues
General Psychology
Introduction to Sociology
Sports and Social Studies
Model United Nations
Military History

WORLD HISTORY (9) This 9th grade course will introduce students to basic techniques used by historians to study world history from the ancient and medieval periods through modern times. Students will study continuity and change by creating tools that analyze chronological world events while developing compelling questions and research plans. Students will begin to understand the government systems analyzed in future Social Studies classes through an analysis of Absolutism and the Enlightenment. The course will also foster geographic expertise through the creation of maps and graphic representations of topographical features of world regions. This course will use the Industrial Revolution to introduce economic concepts such as opportunity costs and benefits, and students will begin learning how to analyze primary sources that span all time periods and regions while emphasizing context and point-of-view. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|-----------------------|
| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H2120 | Credit | 1 unit Social Studies |

US HISTORY (10) The 10th grade U.S. History course will build upon the techniques emphasized in World History by guiding students through research plans of greater sophistication. Students will develop questions and identify resources specific to the period of U.S. History spanning 1870-2010 while expanding their use of chronological sequencing to understand continuity and change. Students will analyze the opportunity costs and benefits of economic decisions in the United States post 1870 while examining the laws, policies, and processes of the federal government that impacted individuals and regions throughout the twentieth century. Students will evaluate and further use a wide range of primary documents to increase understanding and answer questions. This course will prepare students for the U.S. History End-of-Course exam administered by the Missouri Department of Elementary and Secondary Education. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|-----------------------|
| Course Type | Full Year Course | Prerequisite | World History |
| Course Number | H2130 | Credit | 1 unit Social Studies |

US GOVERNMENT (11) The 11th grade U.S. Government course provides a framework for understanding the purposes, principles, and practices of constitutional democracy in the United States. It builds upon the governmental and economic standards taught in the World History and U.S. History courses by guiding students into developing complex questions about the nature of the American government system. Students will use primary source analysis skills to examine the founding documents and apply the principles of those documents in distinguishing the powers and responsibilities of American citizens to solve problems. Students will specifically examine how the U.S. Constitution protects rights and provides the structure and functions of the federal government. Additionally, students will distinguish between federal and state levels of government through an examination of the Missouri Constitution. This course will prepare students for the U.S. Government End-of-Course exam administered by the Missouri Department of Elementary and Secondary Education, as well as the U.S. Constitution exam required by the state of Missouri for graduation. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|-----------------------|
| Course Type | Full Year Course | Prerequisite | US History |
| Course Number | H2190 | Credit | 1 unit Social Studies |

AP US HISTORY (12) AP United States History is a course offered for dual credit through Jefferson College, and equates to HST103 (U.S. History I to Reconstruction) and HST104 (U.S. History II from Reconstruction). The entire breadth of American History will be covered, moving from pre-Columbian contact to the present day. The course contains a demanding outside reading requirement that exposes students to not only a college-level textbook, but the works of prominent historians such as Gordon Wood (revolution and early republic) and James McPherson (civil war). In this course, students will use the techniques of professional historians by using primary and secondary documents as evidence in support of historical arguments. It emphasizes the following historical thinking skills: chronological reasoning, comparing and contextualizing, defending historical arguments, and interpreting historical narratives. This course will prepare students for the AP United States History exam administered by the College Board that assesses historical skills through document based questions, long and short essay questions, and document based multiple choice questions. ****NCAA approved course. *Students with a 3.0 cumulative GPA are eligible for Jefferson College credit. Students with a cumulative GPA between 2.5 and 2.99 are eligible for Jefferson College credit with parent permission and an ACT Reading score of at least 18. An ACCUPLACER Next Generation score of at least 246 may be substituted in lieu of the required ACT score.**

| | | | |
|----------------------|------------------------------|---------------------|--------------------------------------|
| Course Type | Full Year Weighted Course | Prerequisite | US Government or Department Approval |
| Course Number | H2137-1st Sem/H2138- 2nd Sem | Credit | 1 unit Social Studies |

For Elective Credit Only

CONTEMPORARY ISSUES (10, 11, 12) Recent history and current events are the emphasis of this course, but it is also a study of world culture, economics, government, geography, religion, and politics. Students read a newsmagazine regularly and report on contemporary topics. They also will watch a variety of T.V. news programs and discuss and analyze them in class. Watching and reading the daily news is mandatory homework. ****NCAA approved course.**

| | | | |
|----------------------|---------------------------------|---------------------|-------------------|
| Course Type | 2 nd Semester Course | Prerequisite | None |
| Course Number | H2140 | Credit | 0.5 unit Elective |

GENERAL PSYCHOLOGY (11, 12) This course is a survey of human behavior and mental processes. Human development and its effect on learning, thinking, personality, and social relationships are examined. Topics include brain function and development, sleep and dreams, sensation and perception, learning and memory, theories of development, language and cognition, research methods, emotion, mental illness, and therapy. ****NCAA approved course.**

| | | | |
|----------------------|--|---------------------|-------------------|
| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H2160 | Credit | 0.5 unit Elective |

AP PSYCHOLOGY (12) This course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas. ****NCAA approved course.**

| | | | |
|----------------------|---------------------------|---------------------|-----------------|
| Course Type | Full Year Weighted Course | Prerequisite | None |
| Course Number | H2162 | Credit | 1 unit Elective |

INTRODUCTION TO SOCIOLOGY (11, 12) This course offers a study of human relationships in society. It uses the sociological point of view to examine culture, social structure, the individual in society, social institutions, and social inequality. The changing social world and its implications are presented and analyzed. Topics discussed include the development of culture, deviance and crime, poverty, the role and race and gender in society, family and marriage, religion, and how to conduct Sociological research. ****NCAA approved course.**

| | | | |
|----------------------|--|---------------------|-------------------|
| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H2170 | Credit | 0.5 unit Elective |

WORLD RELIGIONS (10, 11, 12) This course investigates the history and beliefs of the world's major religions and the role religion plays in today's society. Students will research and learn about Christianity, Buddhism, Hinduism, Judaism, Islam, and other smaller, localized religions. Students will participate in group discussion, individual research projects, and movie reviews. ****NCAA approved course.**

| | | | |
|----------------------|---------------------------------|---------------------|-------------------|
| Course Type | 1 st Semester Course | Prerequisite | None |
| Course Number | H2180 | Credit | 0.5 unit Elective |

MODEL UNITED NATIONS (9, 10, 11, 12) This course is designed to provide an orientation to the activities of the United Nations, as well as providing an understanding of the modalities of international diplomacy. Students will learn about the history of the United Nations and foreign conflicts around the world. Along with researching the inner workings of several nations, students will get a reintroduction to world cultures and geography. This course will include current events, pressing international issues, the basics of international law and some of the protocol and procedures of diplomacy. Students will participate in an actual Model United Nations Conference to give them some hands-on experience in politics and conflict resolution.

| | | | |
|----------------------|----------------------------|---------------------|-------------------|
| Course Type | 1st or 2nd Semester Course | Prerequisite | None |
| Course Number | H2185 | Credit | 0.5 unit Elective |

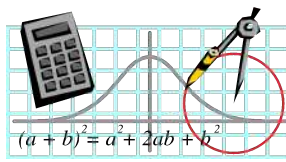
MILITARY HISTORY (10, 11, 12) Survey of the world history of warfare and military tactics from ancient times to modern day. Students will study the basic war theories of Thucydides, Herodotus, Sun Tzu, and Clausewitz. Primary and secondary sources will be emphasized and analyzed throughout the course. Continuity and change over time will be illustrated by using the following themes within each era of military history: 1) the attitudes of particular ages toward warfare; 2) how war influenced the society of particular periods; 3) the impact of technology on warfare in each period; 4) the nature of armies within each period, considering their structure and organization; and 5) how individual soldiers actually experienced the warfare of their time. Case studies of the most important battles and engagements will provide concrete examples of the above themes. ****NCAA approved course.**

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|----------------------|----------------------------|---------------------|-------------------|
| Course Type | 1st or 2nd Semester Course | Prerequisite | World History |
| Course Number | H2195 | Credit | 0.5 unit Elective |

SPORTS AND SOCIAL STUDIES (9, 10, 11, 12) Students will analyze the world of sports through every aspect of social studies. Students will learn about sports management, sports history, sports psychology, sports medicine, etc. This course is intended for students considering a sports-related career in the fields of business, marketing, journalism, medicine, or even education. This course will provide a practical application of social studies and its skills. It will combine social studies standards from multiple courses into an interesting and enjoyable course. It will also introduce other social studies electives such as psychology, sociology, and contemporary issues. Students will participate in STEAM projects in social studies to provide hands-on experience and increased engagement.

| | | | |
|----------------------|--|---------------------|-------------------|
| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H2198 | Credit | 0.5 unit Elective |

Mathematics



FULL YEAR COURSES

Pre Algebra
Algebra I
Algebra I Support Course
Geometry
Advanced Geometry
Industrial Math
Algebra II
Advanced Algebra II
AP Statistics
College Algebra
Precalculus
AP Calculus AB

PRE ALGEBRA (9) This course focuses on preparing students for Algebra I. The concepts will include: operations on real numbers, linear equations and inequalities and measures of central tendency.

| | | | |
|----------------------|------------------|---------------------|--------------------|
| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H3115 | Credit | 1 unit Mathematics |

ALGEBRA I (9, 10) This course expands on the concepts of number systems. Techniques used for simplifying expressions and solving equations are introduced or discovered throughout the course. All aspects of graphing linear equations and manipulating such graphs are introduced and thoroughly examined. This course will also introduce functions and examine their role in mathematics. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|--------------------|
| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H3130 | Credit | 1 unit Mathematics |

ALGEBRA I SUPPORT COURSE (9, 10) This course is based on the curriculum of Algebra I and the individual student's needs. Concepts will include techniques for simplifying expressions, solving equations, basic computation, and mental mathematics. Students will be expected to work independently, collaboratively, and with technology throughout the course of the year.

| | | | |
|----------------------|------------------|---------------------|--|
| Course Type | Full Year Course | Prerequisite | Concurrent Enrollment in Algebra I Teacher Recommendation |
| Course Number | H3135 | Credit | 1 unit Elective |

GEOMETRY (9, 10, 11, 12) This course uses a practical, non-algebraic approach to study the properties of two and three-dimensional figures. Topics include lines, angles, polygons, circles, congruence, similarity, area, and volume. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|--------------------|
| Course Type | Full Year Course | Prerequisite | Algebra I |
| Course Number | H3170 | Credit | 1 unit Mathematics |

ADVANCED GEOMETRY (9, 10, 11, 12) Students will study an algebraic approach to properties of plane and solid figures. Emphasis will be upon obtaining information about geometric figures, developing logical thinking by means of proof, thinking in three-dimensional terms and developing an appreciation of geometry in the modern world. Constructions with straight edge and compass will be introduced as well as coordinate geometry. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|--------------------|
| Course Type | Full Year Course | Prerequisite | Algebra I |
| Course Number | H3172 | Credit | 1 unit Mathematics |

INDUSTRIAL MATH (10, 11, 12) This course provides students with the practical mathematical skills needed for a variety of trades and occupations, focusing on the application of these skills to specific areas such as: allied health, automotive trades, manufacturing, electronics, etc. Skills covered include: numerical computation, plane and solid geometry, basic algebra, triangle trigonometry and statistics. Students will be expected to work independently, collaboratively, and with technology throughout the course of the year.

| | | | |
|----------------------|------------------|---------------------|-------------------------------|
| Course Type | Full Year Course | Prerequisite | Geometry or Advanced Geometry |
| Course Number | H3175 | Credit | 1 unit Mathematics |

ALGEBRA II (10, 11, 12) This course is recommended for students that earned a C- or below in Algebra I. Students will solve a variety of equations and inequalities and will develop additional graphing techniques used for higher order equations ****NCAA approved course.**

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|----------------------|------------------|---------------------|-------------------------------|
| Course Type | Full Year Course | Prerequisite | Geometry or Advanced Geometry |
| Course Number | H3180 | Credit | 1 unit Mathematics |

ADVANCED ALGEBRA II (10, 11, 12) This course expands on the concept of number systems, in particular, those systems using the sets of Real numbers and Complex numbers. In addition, techniques used to solve a variety of equations are presented or discovered throughout the course. The concepts associated with coordinate geometry are reinforced prior to the manipulation of the conic sections. This is a rigorous and fast-paced course that builds on the concepts mastered in Algebra I. It is recommended for students that earned a C or better in Algebra I. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|------------------------|
| Course Type | Full Year Course | Prerequisite | Algebra I and Geometry |
| Course Number | H3185 | Credit | 1 unit Mathematics |

AP STATISTICS (10, 11, 12) This course is designed as a dual credit course allowing the student to earn 3 semester hours of college credit through the University of Missouri - St. Louis. Statistics is intended for those students wanting to take an upper level math course after Algebra II. The course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to four broad conceptual themes: exploring data, planning studies, anticipating patterns, and statistical inference. Students will use technology (internet, graphing calculators and spreadsheets) to collect and analyze data. Students will be eligible to take the Advanced Placement Statistics exam given each spring. ****NCAA approved course.**
****To be eligible for University of Missouri-St. Louis college credit a student must have at least a 2.5 cumulative GPA. Other requirements may need to be met in order to earn college credit.***

| | | | |
|----------------------|---------------------------|---------------------|--------------------|
| Course Type | Full Year Weighted Course | Prerequisite | Algebra II |
| Course Number | H3192 | Credit | 1 unit Mathematics |

COLLEGE ALGEBRA (11, 12) This course is designed as a dual credit course allowing the student to earn 3.0 semester hours of college credit through Jefferson College. In this course, students will solve and graph various types of functions within both the real number system and the complex number system. This course also covers systems of equations and inequalities, matrices and sequences and series. ****NCAA approved course. **Students with a 3.0 cumulative GPA are eligible for Jefferson College credit. Students with a cumulative GPA between 2.5 and 2.99 are eligible for Jefferson College credit with parent permission, an ACT Reading score of at least 18, and an ACT Math score of at least 22. An ACCUPLACER Next Generation score of at least 246 and a Jefferson College STEM College Math Readiness score of at least 50 may be substituted in lieu of the required ACT scores.***

| | | | |
|----------------------|---------------------------|---------------------|--------------------|
| Course Type | Full Year Weighted Course | Prerequisite | 80%+ Algebra II |
| Course Number | H3194 | Credit | 1 unit Mathematics |

PRECALCULUS (11, 12) This course is designed as a dual credit course allowing the student to earn 5.0 semester hours of college credit through Jefferson College. Pre-calculus covers the College Algebra and Trigonometry topics required for the Calculus I, II, III sequence. A graphing calculator is recommended. ****NCAA approved course. **Students with a 3.0 cumulative GPA are eligible for Jefferson College credit. Students with a cumulative GPA between 2.5 and 2.99 are eligible for Jefferson College credit with parent permission, an ACT Reading score of at least 18, and an ACT Math score of at least 22. An ACCUPLACER Next Generation score of at least 246 and a Jefferson College STEM College Math Readiness score of at least 50 may be substituted in lieu of the required ACT scores.***

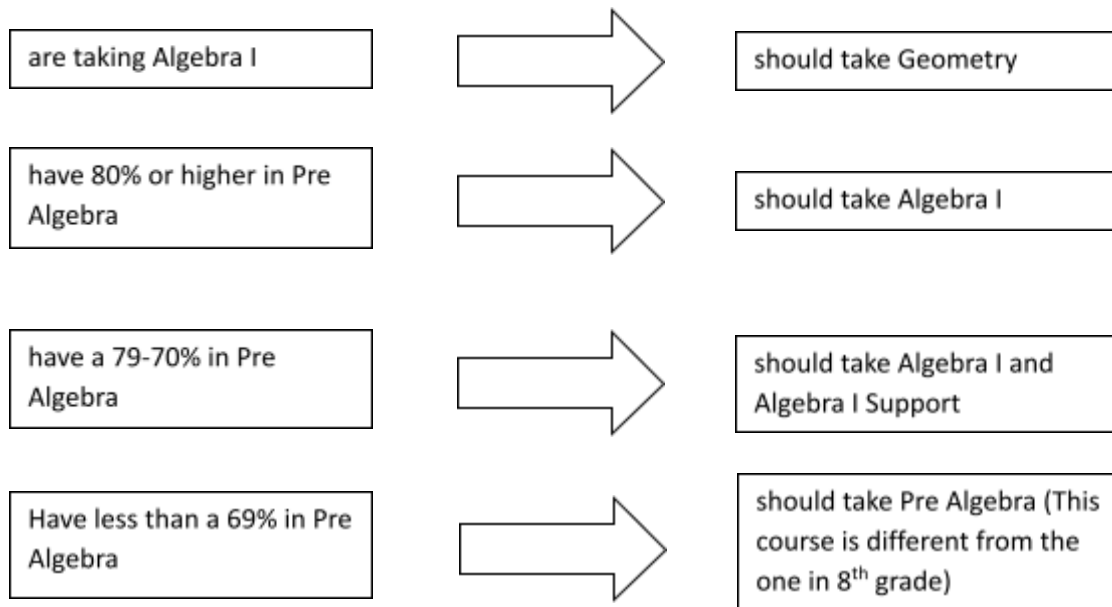
| | | | |
|----------------------|---------------------------|---------------------|------------------------------------|
| Course Type | Full Year Weighted Course | Prerequisite | 80%+ Algebra II or College Algebra |
| Course Number | H3205 | Credit | 1 unit Mathematics |

AP CALCULUS AB (12) This course is designed as a dual credit course allowing the student to earn 5.0 semester hours of college credit through Jefferson College. This course covers limits, continuity, differentiation and integration. It is designed to expand the students' understanding of mathematical functions and their real-life applications. Some of these applications include optimization problems, related rates, area and volume. Students will be eligible to take the Advanced Placement Calculus AB exam administered by the College Board each spring. ****NCAA approved course. **To be eligible for Jefferson College credit, students must have at least a 2.5 cumulative GPA AND an ACT Math score of 27 or higher AND an ACT Reading score of 18 or higher. Students that earned Jefferson College credit in Precalculus with a grade of C or higher are automatically eligible for college credit.***

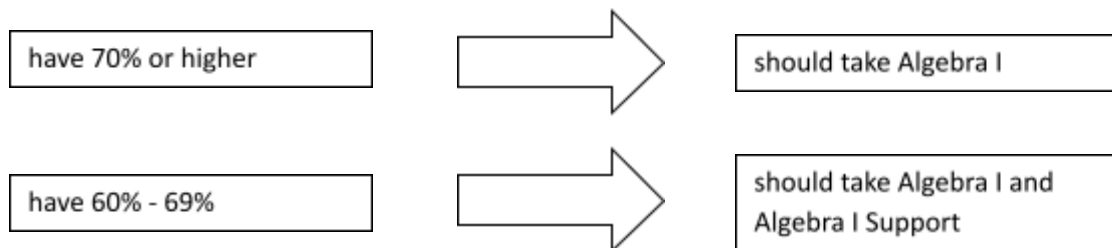
| | | | |
|----------------------|---------------------------|---------------------|--------------------|
| Course Type | Full Year Weighted Course | Prerequisite | Precalculus |
| Course Number | H3215 | Credit | 1 unit Mathematics |

Math Flow Chart

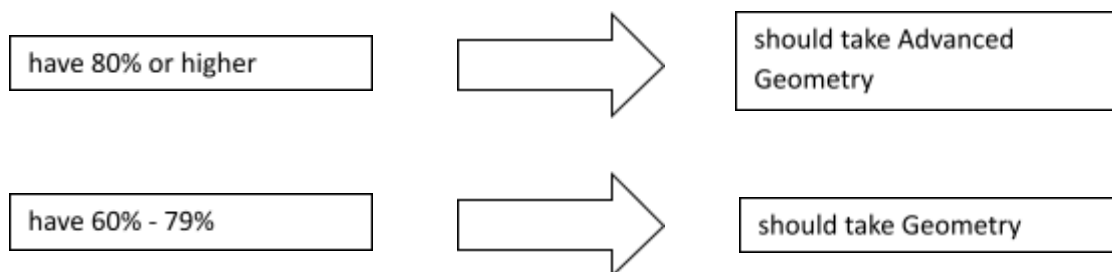
Current 8th Grade students who:



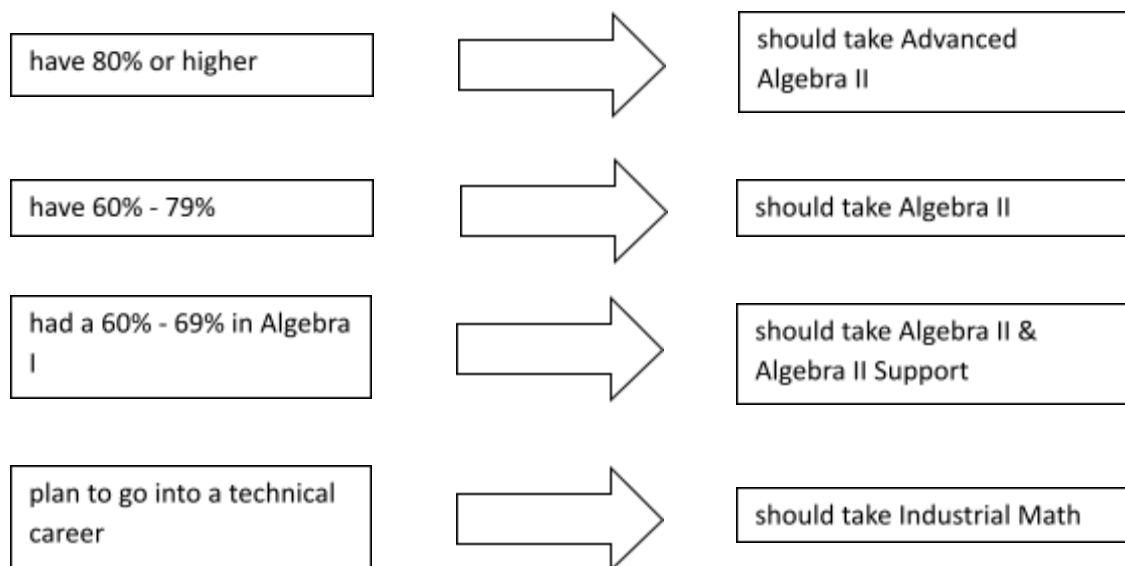
Current Pre Algebra students who:



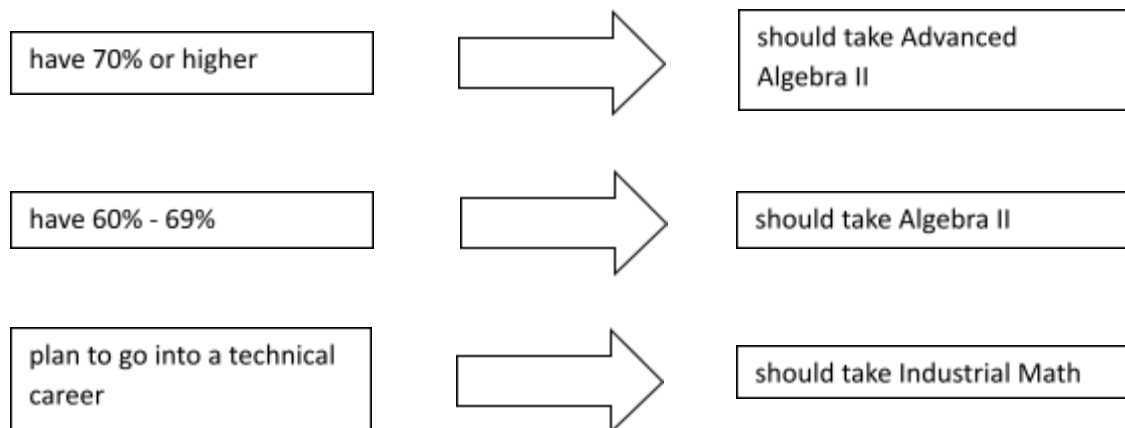
Current Algebra I students who:



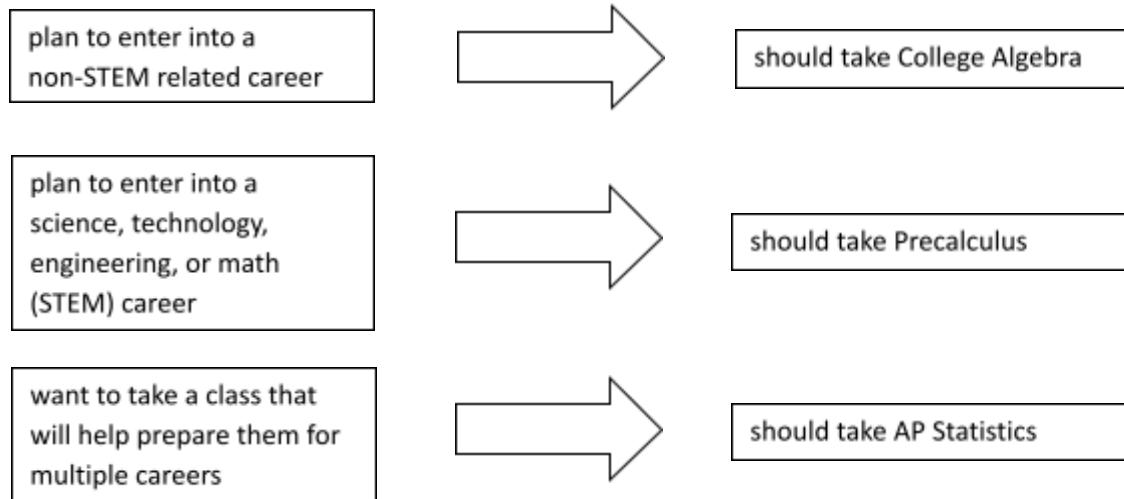
Current Geometry students who:



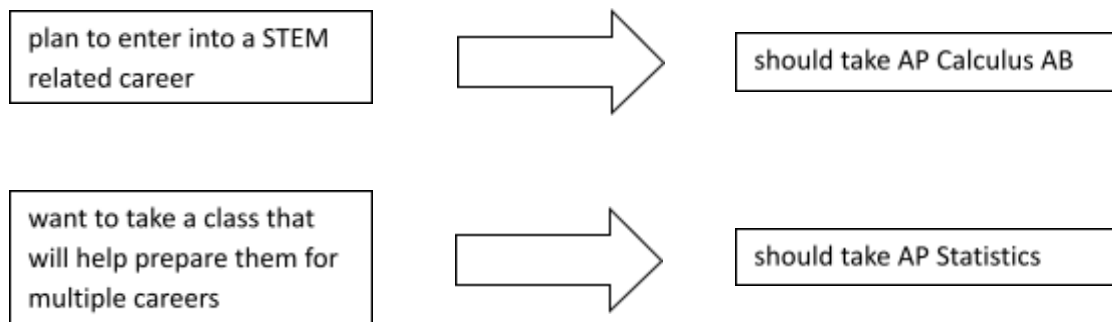
Current Advanced Geometry students:



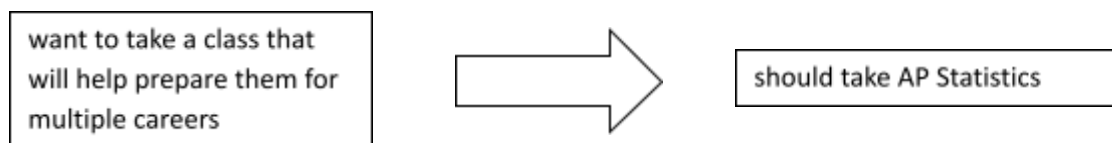
Current Algebra II students who:



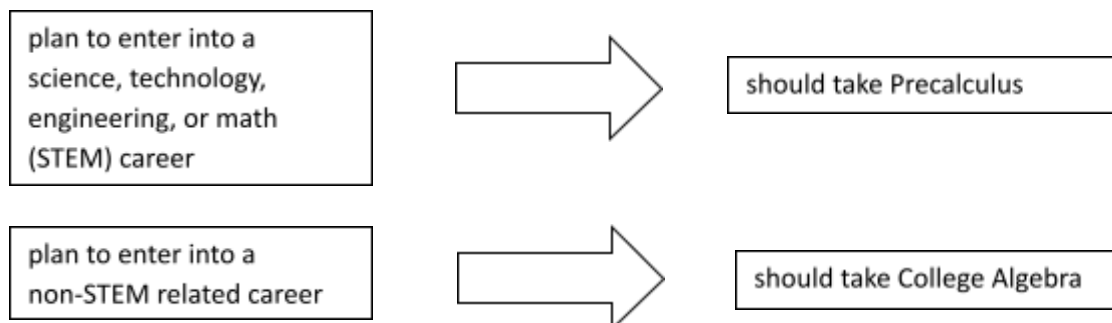
Current Precalculus students who:



Current College Algebra students who:



Current AP Statistics students who:



Science



FULL YEAR COURSES

Physical Science
Biology
Ecology
Human Anatomy/Physiology
General Chemistry
Honors Chemistry
Advanced Biology
AP Physics 1
AP Physics 2
AP Chemistry

SEMESTER COURSES

First Semester
Earth Science

Second Semester
Earth Science II

PHYSICAL SCIENCE (9) This course is a hands-on study of the physical aspects of the world of science. You will learn about the physics of motion, force, energy, machines, waves, the star cycle, and the universe. You will learn how everyday items are connected to the world of science. This is a laboratory course with activities directly related to the subject matter covered in each of the topic areas. The scientific method and laboratory practices are stressed throughout the course. Current scientific developments are presented and discussed as students present symposiums from *current newspaper, magazine, or Internet articles*. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|----------------|
| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H4110 | Credit | 1 unit Science |

BIOLOGY (10) This is a college preparatory course that surveys many aspects of life science. This is a survey course that will explore cytology, microbiology, genetics, evolutionary theory, ecology, taxonomy and mycology. Laboratory work is a component of this course. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|----------------|
| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H4120 | Credit | 1 unit Science |

ECOLOGY (11, 12) This class will focus on the scientific study of natural systems with an emphasis on Missouri environments. Course work involves significant (and required) outdoor experiences including an insect collection, field observations, and outdoor experimentation. Major topics of the course include evolution, interactions, matter and energy flows, and climate change. Annual field trip may explore Missouri ecosystems and/or human environmental science (e.g. wastewater treatment or landfill operations). ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|----------------|
| Course Type | Full Year Course | Prerequisite | Biology |
| Course Number | H4125 | Credit | 1 unit Science |

HUMAN ANATOMY/PHYSIOLOGY (11, 12) Human Anatomy & Physiology is the study of the structure and function of the body. Topics of the course include normal growth & development, normal body functions, major internal anatomy, and disease. Coursework involves numerous mammalian dissections and a field trip to the Saint Louis University cadaver lab. The course goals are to provide a functional conceptual knowledge of the workings of the human body relevant to all persons and/or to prepare students for collegiate-level study in anatomy and physiology. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|----------------|
| Course Type | Full Year Course | Prerequisite | Biology |
| Course Number | H4140 | Credit | 1 unit Science |

EARTH SCIENCE (11, 12) This course will emphasize water quality studies and Meteorology. Students will learn how to forecast the weather with the use of instruments. You will look at natural disasters and determine what can be done to minimize death and damage. You will also monitor a stream and determine the water quality. We will look at the biotic and abiotic factors of a local stream to determine the health of the stream and what could be done to improve the stream. Lab based activities related to the course material will give a hands on approach to Earth Science. ****NCAA approved course.**

| | | | |
|----------------------|---------------------------------|---------------------|------------------------------|
| Course Type | 1 st Semester Course | Prerequisite | Physical Science and Biology |
| Course Number | H4170 | Credit | 0.5 unit Science |

EARTH SCIENCE II (10, 11, 12) This course is designed as a one semester introductory course. Activities are designed to motivate a student to engage in outdoor observations. The use of a telescopic instrument is widely encouraged. We will study unmanned and manned exploration of space. Computer animation and software are used whenever possible to reinforce and stimulate learning and sometimes "just for the fun of it." Students will plan and construct a telescope. ****NCAA approved course.**

| | | | |
|----------------------|---------------------------------|---------------------|-------------------------------|
| Course Type | 2 nd Semester Course | Prerequisite | Physical Science and Geometry |
| Course Number | H4175 | Credit | 0.5 unit Science |

GENERAL CHEMISTRY (9, 10, 11, 12) This course is the study of the physical and chemical properties of matter. This course is an extension of Physical Science. You will learn the language of chemistry as you name compounds and balance chemical equations. Classroom concepts are applied with physical and chemical reaction in the laboratory. Laboratory safety, skills, and practices will be stressed. Your mathematical skills will be applied throughout this course as the properties of matter are developed. Chemistry lays the basis for further scientific studies in high school and college. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|--|
| Course Type | Full Year Course | Prerequisite | Algebra I, Physical Science *Can be co-enrolled in Physical Science |
| Course Number | H4190 | Credit | 1 unit Science |

HONORS CHEMISTRY (9, 10, 11, 12) This is a first year chemistry course. It is a prerequisite course for AP Chemistry. It is designed to meet the needs of the student who plans on continuing on in AP Chemistry or eventually taking a college chemistry class. It is a course that requires a great deal of abstract thinking, visualization in three dimensions, and the use of logic and critical thinking skills. The goal of Honors Chemistry is to provide students with a foundation to understand the structure and properties of chemical substances and to make predictions in regards to the movement of energy in a system. This course is designed to give you the background and skills to prepare you for more advanced science classes, such as AP Chemistry, AP Physics, and/or Advanced Biology. By nature, this course will conduct lab experiments with special emphasis on quantitative and qualitative methods of analysis. ****NCAA approved course.**

| | | | |
|----------------------|---------------------------|---------------------|--|
| Course Type | Full Year Weighted Course | Prerequisite | Geometry, Physical Science or co-enrollment in both |
| Course Number | H4196 | Credit | 1 unit Science |

ADVANCED BIOLOGY (11, 12) This course is a dual credit class for 5 college credit hours through Jefferson College. This class will study a general view of topics in Biology. Some topics are: cell biology, genetics, classification, evolution, phyla of organisms, and ecology. ****NCAA approved course. **Students with a 3.0 cumulative GPA are eligible for Jefferson College credit. Students with a cumulative GPA between 2.5 and 2.99 are eligible for Jefferson College credit with parent permission and an ACT Reading score of at least 18. An ACCUPLACER Next Generation score of at least 246 may be substituted in lieu of the required ACT score.***

| | | | |
|----------------------|---------------------------|---------------------|------------------------------|
| Course Type | Full Year Weighted Course | Prerequisite | Physical Science and Biology |
| Course Number | H4200 | Credit | 1 unit Science |

AP PHYSICS 1 (10, 11, 12) Learn how human activities are applications of the Laws of Nature. Perform laboratory activities which reinforce aforementioned basic principles. Proper laboratory skills are a necessity. Students are encouraged to take the AP exam administered by the College Board. ****NCAA approved course.**

| | | | |
|----------------------|---------------------------|---------------------|----------------|
| Course Type | Full Year Weighted Course | Prerequisite | Algebra II |
| Course Number | H4205 | Credit | 1 unit Science |

AP PHYSICS 2 (11, 12) The curriculum and expectations are equivalent to a second semester of Physics at the college level. Students will keep a detailed lab notebook and will be encouraged to take the AP Exam. Topics covered will include: electrostatics, electricity flow and circuits, fluid mechanics, thermodynamics, magnetism, optics, electromagnetic waves, and modern physics. ****NCAA approved course.**

| | | | |
|----------------------|---------------------------|---------------------|----------------|
| Course Type | Full Year Weighted Course | Prerequisite | AP Physics I |
| Course Number | H4215 | Credit | 1 unit Science |

AP CHEMISTRY (10, 11, 12) The curriculum and expectations are equivalent to a college level general chemistry course. Students are required to keep a detailed laboratory notebook and encouraged to take the AP exam administered by the College Board. ****NCAA approved course. *To be eligible for Saint Louis University credit, students must have a minimum GPA (2.5 for 11th and 12th graders and a 3.0 for 10th graders) and meet any required minimum testing score.***

| | | | |
|----------------------|------------------------------|---------------------|------------------------------|
| Course Type | Full Year Weighted Course | Prerequisite | Pre AP Chemistry, Algebra II |
| Course Number | H4265-1st Sem/H4270- 2nd Sem | Credit | 1 unit Science |

Science Department Flow Chart

(need 3 science credits to graduate, bolded subjects are weighted)

Freshman Year

4110 Physical Science

Double-Up Options with Physical Science

4190 General Chemistry
*Completion of Algebra I, completion or co-enrollment in Physical Science and Geometry/Advanced Geometry.

4196 Honors Chemistry
*Completion of Algebra I, completion or co-enrollment in Physical Science and Geometry/Advanced Geometry.

Sophomore Year

4120 Biology

Double-Up Options with Biology

4170 Earth Science
*Completion of Physical Science and completion or co-enrollment in Biology and Geometry/Advanced Geometry.

4190 General Chemistry

4196 Honors Chemistry

4205 AP Physics 1

4235 AP Chemistry

Junior Year and/or Senior Year

4125 Ecology

4140 Human Anatomy

4170 Earth Science
(1st Semester)

4175 Earth Science II
(2nd Semester)

4190 General Chemistry

4196 Honors Chemistry

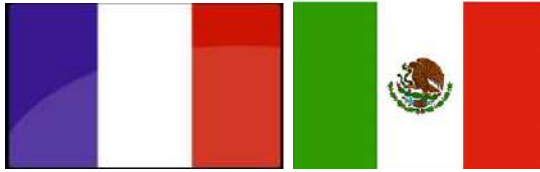
4200 Advanced Biology
(dual credit class)

4205 AP Physics 1

4265/4270 AP Chemistry
(dual credit class)

4215 AP Physics 2

World Language



FULL YEAR COURSES

Spanish I
Spanish II
Spanish III
Spanish IV
French I
French II
French III
French IV

SPANISH I (9, 10, 11) This course is an introduction to the Spanish language. Emphasis will be placed on listening, speaking, reading, and writing basic Spanish. The main objective of this course is to become familiar with vocabulary, introductory phrases, complete sentences, grammatical forms, and understanding. Also included will be information about Spanish-speaking countries to give students a better understanding of their culture and history. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|-----------------|
| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H5110 | Credit | 1 unit Elective |

SPANISH II (10, 11, 12) This course is a continuation of Spanish I. The student advances to a higher degree of fluency in listening, speaking, reading comprehension, and writing basic paragraphs in Spanish. Further cultural information will also be studied. *If a student chooses to enroll in Spanish II and made a C+ or lower in Spanish I, he/she will be required to attend tutoring before or after school or during Tiger Time for the 1st quarter. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|-----------------|
| Course Type | Full Year Course | Prerequisite | Spanish I |
| Course Number | H5120 | Credit | 1 unit Elective |

SPANISH III (11, 12) This dual credit course is a continuation of the skills learned in the first two years of study with emphasis on communicative presentation and reading longer passages. The basic principles of grammar are reviewed and more advanced structures are added. Because this is a weighted class, students should expect to be challenged. *If a student chooses to enroll in Spanish III and made a C+ or lower in Spanish II, he/she will be required to attend tutoring before or after school or during Tiger Time for the 1st quarter. ****NCAA approved course. **To be eligible for University of Missouri-St. Louis college credit, students must have at least a 2.5 cumulative GPA.***

| | | | |
|----------------------|---------------------------|---------------------|-----------------|
| Course Type | Full Year Weighted Course | Prerequisite | Spanish II |
| Course Number | H5130 | Credit | 1 unit Elective |

SPANISH IV (12) In this dual credit class, students will be guided to maintain conversations about real situations. The students will read novels about historic events and important leaders of the Hispanic countries to stress culture. Because this is a weighted class, student should expect to be challenged. The students will learn different forms of writing styles. If a student chooses to enroll in Spanish IV and made a C+ or lower in Spanish III, he/she will be required to attend tutoring before or after school or during Tiger time for the 1st quarter. ****NCAA approved course. **To be eligible for University of Missouri-St. Louis college credit, students must have at least a 2.5 cumulative GPA.***

| | | | |
|----------------------|---------------------------|---------------------|-----------------|
| Course Type | Full Year Weighted Course | Prerequisite | Spanish III |
| Course Number | H5140 | Credit | 1 unit Elective |

FRENCH I (9, 10, 11) This course is an introduction to basic French reading, writing, speaking and listening comprehension. In addition, students will be introduced to French-speaking cultures around the world. This class is recommended for students who are college-bound or have a special interest in languages. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|-----------------|
| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H5210 | Credit | 1 unit Elective |

FRENCH II (9, 10, 11, 12) This course builds on the basic skills introduced in French I. Students will cover French-speaking cultures more in depth. This course is recommended for students who are college-bound or who have a special interest in language. ****NCAA approved course.**

| | | | |
|----------------------|------------------|---------------------|-----------------|
| Course Type | Full Year Course | Prerequisite | French I |
| Course Number | H5220 | Credit | 1 unit Elective |

FRENCH III (10, 11, 12) This is a weighted dual credit course recommended for students who have a special interest in language and are college bound. French III is an advanced study of the French language and cultures. Higher-level grammar structures will be learned. Writing and reading will be emphasized. Because this is a weighted class, students should expect to be challenged and to speak French in class. ****NCAA approved course. *To be eligible for University of Missouri-St. Louis college credit, students must have at least a 2.5 cumulative GPA.**

| | | | |
|----------------------|---------------------------|---------------------|-----------------|
| Course Type | Full Year Weighted Course | Prerequisite | French II |
| Course Number | H5230 | Credit | 1 unit Elective |

FRENCH IV (11, 12) This is a weighted dual credit course recommended for students who have a special interest in language and are college bound. French IV continues the development of skills acquired in the first three years of French study. Because this is a weighted class, students should expect to be challenged and to speak French in class. ****NCAA approved course. *To be eligible for University of Missouri-St. Louis college credit, students must have at least a 2.5 cumulative GPA.**

| | | | |
|----------------------|---------------------------|---------------------|-----------------|
| Course Type | Full Year Weighted Course | Prerequisite | French III |
| Course Number | H5240 | Credit | 1 unit Elective |

FINE ARTS



FULL YEAR COURSES

Introduction To Art
AP Art
Mixed Choir
Treble Choir
Tenor/Bass Choir
Concert Choir
Marching/Freshman Band
Concert Band
Jazz Band
AP Music Theory

SEMESTER COURSES

First Semester

Drawing
3D Design
Pottery I
Beginning Piano
Marching Band

Second Semester

Painting
Pottery I
Pottery II
Beginning Piano
Symphonic Band

| | | | |
|--|--|---------------------|---------------------|
| INTRODUCTION TO ART (9, 10, 11, 12) In this introductory art course, students are introduced to the principles and elements of design with an emphasis on drawing and exploring different media such as pencil, colored pencil, charcoal, watercolor, tempera paint and string art. | | | |
| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H6110 | Credit | 1 unit Fine Art |
| DRAWING (10, 11, 12) Drawing skills will be developed using a variety of techniques and media such as pencil, charcoal, chalk, pen and ink. Students will keep a drawing sketchbook throughout the semester. This class emphasizes a variety of drawing techniques used to refine drawing ability from direct observation as well as from pictures and the imagination. | | | |
| Course Type | 1 st Semester Course | Prerequisite | Introduction to Art |
| Course Number | H6120 | Credit | 0.5 unit Fine Art |
| PAINTING (10, 11, 12) Students will explore watercolor and acrylic paint, as well as learn color theory and painting techniques. Students will also study the work of a wide variety of artists and are encouraged to discover their own individual painting style. | | | |
| Course Type | 2 nd Semester Course | Prerequisite | Introduction to Art |
| Course Number | H6130 | Credit | 0.5 unit Fine Art |
| THREE DIMENSIONAL DESIGN (10, 11, 12) Using the Elements and Principles of Design learned in Intro to Art, students will apply these concepts previously used to create 3-dimensional works of art. Students will explore, plan and execute additive/subtractive sculpture. There is an emphasis in recycled structure. | | | |
| Course Type | 1 st Semester Course | Prerequisite | Introduction to Art |
| Course Number | H6140 | Credit | 0.5 unit Fine Art |
| POTTERY I (10, 11, 12) Students will learn basic hand building techniques used to develop a wide variety of both functional and decorative objects. Students will also explore a variety of glazes and be introduced to the potter's wheel. | | | |
| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H6150 | Credit | 0.5 unit Fine Art |
| POTTERY II (10, 11, 12) This course will build upon the skills learned in Pottery I. Students will expand their skills by working on more complex thought provoking pieces. Students will fine tune their hand building techniques and get more experience on the potter's wheel. Emphasis will be on surface decoration, craftsmanship, and functional forms. | | | |
| Course Type | 2 nd Semester Course | Prerequisite | Pottery I |
| Course Number | H6160 | Credit | 0.5 unit Fine Art |
| AP ART (11, 12) The AP Art courses are designed for students interested in a rigorous and focused study in art. Students will develop a quality portfolio that demonstrates a mastery of concept, composition and execution in 2-D Art & Design, 3-D Art & Design, or Drawing. These courses are based on a student creating a body of work (portfolio) that demonstrates quality works of art and design, process documentation, and written information about the work presented. In building the portfolio, students need to demonstrate versatility with techniques, problem solving, and ideation as well as investigate an idea of personal interest to them. This portfolio will be submitted for the final. As in any college level course students will be expected to spend a considerable amount of time outside of class in order to complete assignments, homework and sketchbook assignments. | | | |
| Course Type | Full Year Weighted Course | Prerequisite | Instructor Approval |
| Course Number | H6190 | Credit | 1.0 unit Fine Art |

BEGINNING PIANO (9, 10, 11, 12) This class is for students who seek to develop piano skills starting at the beginning of the process. We will spend class time developing music skills both on and off of the keyboard in order to gain skills both in playing as well as music theory. Students will learn a variety of etudes (songs) by reading music and other methods of playing including improvisation, composition, and playing by ear.

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H6225 | Credit | 0.5 unit Fine Art |

MIXED CHOIR (9, 10, 11, 12) Enjoy singing? Would you like to become a better singer and share that experience with others? This class is primarily geared toward underclassmen and other less experienced singers. We will develop the mechanics of your singing voice and your musical artistry. We will also develop your sight-singing skills so that you can enjoy a lifetime of singing! Performances will occur every semester, and attendance at concerts is required. There is no audition for this course.

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| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H6255 | Credit | 1 unit Fine Art |

TREBLE CHOIR (9, 10, 11, 12) This is a class for students classified as treble (soprano or alto) voices. Students in this group, while not as advanced as they will become, will generally have stronger singing skills. Freshmen should sign up for this course only with the previous approval of their middle school choir director. This choir will travel and compete as opportunities provide.

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| Course Type | Full Year Course | Prerequisite | Instructor Approval |
| Course Number | H6256 | Credit | 1 unit Fine Art |

TENOR/BASS CHOIR (9, 10, 11, 12) This is a class for students classified as tenor and bass voices. Students in this group, while not as advanced as they will become, will generally have stronger singing skills. Freshmen should sign up for this course only with the previous approval of their middle school choir director. This choir will travel and compete as opportunities provide.

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| Course Type | Full Year Course | Prerequisite | Instructor Approval |
| Course Number | H6258 | Credit | 1 unit Fine Art |

CONCERT CHOIR (9, 10, 11, 12) This is the top choral performance group at Festus High School. These singers are expected to perform at a high level at all times. They are expected to learn and perform extremely challenging literature in a short amount of time. This choir will travel and compete as opportunities provide.

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| Course Type | Full Year Course | Prerequisite | Instructor Approval |
| Course Number | H6260 | Credit | 1 unit Fine Art |

MARCHING/FRESHMAN BAND (9) This year-long class is required for all 9th grade Band students. First semester, the Marching Tigers are a high-powered, energetic, visible organization. You can expect to rehearse and perform with over 120 other players at home football games, local parades and possible competitions around the state. Second semester, Freshman Band is designed to help students continue their musical experience, and make the transition to high school performance levels successful and rewarding. This band also attends contest in the spring and travels to a music festival. As a performance ensemble, attendance at all performances is required.

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| Course Type | Full Year Course | Prerequisite | Previous Band Experience |
| Course Number | H6285 | Credit | 1 unit Fine Art |

MARCHING BAND (10, 11, 12) The Marching Tigers are a high-powered, energetic, visible organization. You can expect to rehearse and perform with over 120 other players at home football games, local parades and possible competitions around the state. As a performance ensemble, attendance at all performances is required.

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| Course Type | 1 st Semester | Prerequisite | Previous Band Experience |
| Course Number | H6290 | Credit | 0.5 unit Fine Art |

SYMPHONIC BAND (10, 11, 12) This upper-level band of mostly juniors and seniors performs more advanced literature, with greater emphasis on technique and musicianship. In the spring, this band goes to contest and travels to a music festival, sometimes out-of-state. As a performance ensemble, attendance at all performances is required.

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| Course Type | 2 nd Semester | Prerequisite | Director Approval |
| Course Number | H6300 | Credit | 0.5 unit Fine Art |

CONCERT BAND (10, 11, 12) This course allows 10th - 12th band members to continue playing concert music during the first semester if not in marching band. Advanced musicians may enroll to play a secondary instrument. This band also attends contest in the spring, and travels to a musical festival. As a performance ensemble, attendance at all performances is required.

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| Course Type | Full Year Course | Prerequisite | Previous Band Experience |
| Course Number | H6310 | Credit | 1 unit Fine Art |

JAZZ BAND (9, 10, 11, 12) This small sized band is made up of some of the best instrumental players in the school, and plays a variety of jazz styles. This is a supplemental band course and placement is limited. Students must attend ALL performances including concerts, sporting events, festivals, and community events.

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| Course Type | Full Year or Semester Course | Prerequisite | Director Approval |
| Course Number | H6320 | Credit | 1 unit or 0.5 unit Fine Art |

AP MUSIC THEORY (9, 10, 11, 12) Thinking about making a career in music or interested in learning how music is actually constructed? You will learn how chords and scales are related, how to build and use numerous types of chords, and how chords relate to each other in real music. Ear-training and advanced rhythm reading will be included as well. Finally, we will take time to listen to the great music of all ages.

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| Course Type | Full Year Weighted Course | Prerequisite | Instructor Approval |
| Course Number | H6405 | Credit | 1 unit Fine Art |

Personal Finance



SEMESTER COURSES

First Semester
Personal Finance

Second Semester
Personal Finance

PERSONAL FINANCE (9, 10, 11, 12) Understanding and managing personal finances are key to one's future financial success. This course 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. The key topics covered are (1) Financial Decision Making, (2) Earning Income, (3) Buying Goods and Services, (4) Saving, (5) Using Credit, (6) Protecting and Insuring, and (7) Financial Investing. This course is required for graduation for all students and fulfills the Personal Finance graduation requirement.

****This course may be taken for Dual Credit through Missouri State University. To be eligible for Missouri State University credit, students must have at least a 3.0 cumulative GPA and either an ACT Composite Score of 21 or higher or have meet the requirement of MSU's Selection Index Scale (The Selection Index scale calculator is available at www.MissouriState.edu/AdmissionCalculator).***

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H7005 | Credit | 0.5 unit Personal Finance |

PRACTICAL ARTS



FULL YEAR COURSES

Accounting
AP Computer Science Principles
Retailing/School Based Enterprise
Industrial Technology
Engineering Essentials
Intro to Engineering Design
Principles of Engineering
Carpentry

SEMESTER COURSES

Offered Both Semesters pending course enrollment

Business Management & Entrepreneurship
Computer Applications I
Computer Science
Digital Media
Digital Publishing
Marketing I

First Semester

Nutrition Now
Child Development I
Power Technology

Second Semester

Computer Applications II
Marketing II
Food Preparation
Child Development II
Electricity/Electronics

COMPUTER APPLICATIONS I (9, 10, 11, 12) Understanding computer concepts, possessing computer skills and knowing how to apply them are essential in today's world. Students utilize Microsoft Excel, Word, and PowerPoint applications to develop computer competency in the use of Internet, word processing, spreadsheet, and multimedia presentation skills. The use of integrated software allows students to combine all their computer knowledge into a variety of projects. This class offers a variety of simulations, providing students with various opportunities to experience real-world situations and applications of technology. This is a project-based course in a computer lab setting.

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H7020 | Credit | 0.5 unit Practical Art |

COMPUTER APPLICATIONS II (9, 10, 11, 12) This course is a continuation of Computer Applications I integrating advanced word processing, spreadsheet, database, and presentation software. Other areas explored will include desktop publishing, Internet etiquette, communication, and organizational skills. This is a project-based course in a computer lab setting. ***FREE College credit (CIS 125 – Computer Concepts Applications) through Jefferson College is awarded for successful completion of this course with a grade of B or higher. Student must enroll in an Associate of Applied Science program or a Career and Technical Education Certificate program at Jefferson College within 24 months of HS graduation in order to be awarded the college credit.**

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | Computer Applications I |
| Course Number | H7025 | Credit | 0.5 unit Practical Art |

COMPUTER SCIENCE (9, 10, 11, 12) Computer Science (CS) is an introductory computer science course that empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. The course takes a wide lens on computer science by covering topics such as problem solving, animations and games, design challenges, programming, and data. The course inspires students as they build their own apps, games, and physical computing devices. Students also learn the fundamentals of computer programming as well as some features of current programming languages. Topics include commands, loops, functions, variables, operators, and user input. This course is highly recommended prior to taking AP Computer Science Principles (AP CSP).

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H7058 | Credit | 0.5 unit Practical Art |

AP COMPUTER SCIENCE PRINCIPLES (11, 12) Students are introduced to the basic principles of computer science (CS) from the perspective of mobile computing, including programming in MIT App Inventor®, a graphical programming language for Android mobile devices. Students incorporate programming while also integrating all other AP CSP big ideas: creativity, abstraction, data and information, algorithms, the Internet, and global impact. Students develop problem solving skills honing in on the computational thinking practices as indicated in the AP CSP curriculum framework. Students create socially useful computational artifacts using App Inventor as well as connect computing and learn about abstracting as they develop and analyze their programs. Communication and collaboration are emphasized in a project-based approach and classroom environment. This course involves a strong writing component. Students maintain a portfolio of their work, which will include several performance tasks in the areas of programming and the impact of computing technology. Due to its rigorous content and challenging assignments, students will receive a grade on the weighted grading scale. Students will be prepared for the AP Computer Science exam administered by the College Board.

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| Course Type | Full Year Weighted Course | Prerequisite | 70%+ Algebra I |
| Course Number | H7070 | Credit | 1 unit Practical Art |

BUSINESS MANAGEMENT AND ENTREPRENEURSHIP (11, 12) Students develop an understanding of the skills and resources needed to manage a business. Students are introduced to the steps in starting and managing a business and running it successfully, a general overview of American business, forms of business ownership, personnel management, labor-management relations, public and human relations, taxation, and government regulations. Specific topics include marketing, advertising and professionally managing a business. This is an excellent college preparatory course for business-oriented students. Students start and operate their own small business, the FHS School Store, emphasizing the critical problem solving skills required to be successful. Students research business ideas, calculate costs, construct a business plan, identify financing options, develop a marketing plan and operate this business with other students.

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H7105 | Credit | 0.5 unit Practical Art |

RETAILING/SCHOOL BASED ENTERPRISE (10, 11, 12) An instructional program that prepares individuals to apply marketing skills in retail establishments. Principles, practices and procedures are taught as related to the field of retailing with an emphasis in Financial analysis, Marketing Information management, Market Planning, Product service management, Pricing, Distribution/Channel Management, Operation, Human Resources, Promotions, Selling. The Tiger Team Store will be used as an instructional tool to apply the course material.

Course Objectives: <https://dese.mo.gov/sites/default/files/bmit-retailing-objectives.pdf>

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| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H7125 | Credit | 1 unit Practical Art |

DIGITAL MEDIA (10, 11, 12) Students work with multimedia software to develop electronic presentations. Students will learn how to manipulate text, art and graphics, photography, animation, audio, and video using various media formats. Basic image editing and graphics creation will be utilized as well. Students will work individually and in groups in this course. Time management skills, meeting deadlines, participation, and attendance are critical components of this course.

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | Computer Apps I |
| Course Number | H7130 | Credit | 0.5 unit Practical Art |

WEB DESIGN (10, 11, 12) Working in a digital lab setting, students use computers, digital cameras, and industry-standard software to design and develop Web pages with an emphasis on design elements involving layout, navigation, and interactivity. Students will combine text images, sound, and interactivity to create a variety of Web pages and interactive games. This course provides hands-on experiences for creating Web pages and Web sites. Students keep a portfolio of their work. This is an excellent career preparatory course for computer-oriented students. Students must have basic keyboarding knowledge.

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | Computer Apps I |
| Course Number | H7150 | Credit | 0.5 unit Practical Art |

DIGITAL PUBLISHING (10, 11, 12) Students develop proficiency in using graphic arts/desktop publishing software to create a variety of business publications such as flyers, brochures, and newsletters. As the course progresses, students will utilize advanced graphic arts/desktop publishing software to increase their production efficiency and improve creativity and quality of business documents and publications. An electronic portfolio component is used as a summative assessment to highlight the graphic arts/desktop publishing concepts mastered. This is an excellent career preparatory course for computer-oriented students.

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | Computer Apps I |
| Course Number | H7168 | Credit | 0.5 unit Practical Art |

MARKETING I (10, 11, 12) Students are introduced to functions involved in the marketing of goods, services, and ideas. Units of study include risk management, selling, promotion, pricing, purchasing, marketing information management, product/service planning, distribution, and financing. Instructional strategies may include a school-based enterprise, computer/technology applications as well as real and/or simulated occupational experiences and projects in the marketing functions such as those available through DECA (the association for marketing students) program of activities. Students start and operate their own small business, the FHS School Store, emphasizing the critical problem solving skills required to be successful. Students research business ideas, calculate costs, construct a business plan, identify financing options, develop a marketing plan and operate this business with other students.

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H7175 | Credit | 0.5 unit Practical Art |

MARKETING II (11, 12) This problems-based course builds on the concepts introduced in Marketing I through an in-depth study of international marketing, marketing research, and marketing planning. Computer projects, public presentations, and simulations will be an important part of this class. Students develop a marketing plan and explain how external factors influence marketing decisions and have an opportunity to participate in class projects that are designed to encourage decision-making and personal leadership development.

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| Course Type | 2 nd Semester Course | Prerequisite | Marketing I |
| Course Number | H7176 | Credit | 0.5 unit Practical Art |

ACCOUNTING I (10, 11, 12) Accounting is an important business course for all students. Accounting prepares students interested in majoring in a college business program, future entrepreneurs, investors, as well as anyone seeking a better understanding of finances. Get ready to problem solve for local communities and analyze financial statements of real businesses for future investments. Explore and master: automated accounting, careers in accounting (CPA, FBI, law and forensics), evaluation of a company's financial statements, problem solving for local municipalities and small businesses, ethical decision making and GAAP, and accounting cycle for sole proprietorships and corporations. ****FREE College credit (BUS 107 - Bookkeeping) through Jefferson College is awarded for successful completion of this course with a grade of B or higher. Student must enroll in an Associate of Applied Science program or a Career and Technical Education Certificate program at Jefferson College within 24 months of HS graduation in order to be awarded the college credit.***

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| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H7190 | Credit | 1 unit Practical Art |

FOOD PREPARATION (9, 10, 11, 12) Basic cooking skills and nutrition concepts are studied and practiced in this course. Nutrition topics are incorporated into meal planning; emphasizing healthy, realistic ways to balance use of convenience foods and home-made foods.

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| Course Type | 2 nd Semester Course | Prerequisite | None |
| Course Number | H7230 | Credit | 0.5 unit Practical Art |

NUTRITION NOW (9, 10, 11, 12) This course examines the relationship between the science of nutrition, health, and well-being. Current nutrition research and findings, the media, text materials, and other resources will help students understand the life-long impact of healthy eating habits.

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| Course Type | 1 st Semester Course | Prerequisite | None |
| Course Number | H7240 | Credit | 0.5 unit Practical Art |

CHILD DEVELOPMENT I (11, 12) This course is designed to encourage students to consider all aspects of parenting including the rewards and responsibilities. Studies range from the decision to parent, to prenatal care and development, to providing a safe and nurturing environment that will stimulate physical, emotional, social and cognitive growth of a child.

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| Course Type | 1 st Semester Course | Prerequisite | None |
| Course Number | H7250 | Credit | 0.5 unit Practical Art |

CHILD DEVELOPMENT II (11, 12) Students in this hands-on course will plan, prepare and implement activities for preschool children enrolled in "Little Tiger Pre-School." Student groups, under the direction of the instructor, will plan and supervise activities which enhance the physical, emotional, social, and cognitive areas of development of the preschool aged children.

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| Course Type | 2 nd Semester Course | Prerequisite | None |
| Course Number | H7255 | Credit | 0.5 unit Practical Art |

INDUSTRIAL TECHNOLOGY (9, 10, 11) This course is designed for the beginning student with little or no prior experience. The course begins with several basic drafting activities in which students will develop an understanding of the basic tools and principles used to generate single views, and multi-view drawings with dimensions. These skills will then be used to develop project plans, procedures, and bill of materials for project work. Students will also develop both basic wood and metal working skills, which will be demonstrated in project form. Safety rules and procedures will be covered and stressed throughout the course.

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| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H7300 | Credit | 1 unit Practical Art |

ENGINEERING ESSENTIALS (9, 10, 11) This course is designed to be a high school student's first exposure to the PLTW engineering program. Students will explore the work of engineers and their role in the design and development of solutions to real-world problems. This course introduces students to engineering concepts that are applicable across multiple engineering disciplines.

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| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H7324 | Credit | 1 unit Practical Art |

INTRO TO ENGINEERING DESIGN (10, 11, 12) This course is designed to enhance a student's awareness of the technologies, and technical careers that may become a part of or have a great influence upon their daily lives. The course begins with several drafting activities in which students will develop technical communication skills that will be used throughout the remainder of the course. During the rest of the course students will rotate in and out of the modulated Tech Lab and related problem solving activities. While in the Tech Lab students will have an opportunity to select from a variety of learning modules; Auto CAD, 4-Stroke Engines, Lasers, Robotics, Building Construction, CNC Milling, 3D - Studio, Mechanisms, Electronics, Pneumatics, and Flight Simulation. They will also be involved in a number of technology problem solving activities; bridge building, manufacturing, mousetrap cars, etc....

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| Course Type | Full Year Course | Prerequisite | 70%+ Algebra I |
| Course Number | H7325 | Credit | 1 unit Practical Art |

PRINCIPLES OF ENGINEERING (10, 11, 12) Principles of Engineering (POE) is a foundation course of the high school engineering pathway. This survey course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and kinematics. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

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| Course Type | Full Year Course | Prerequisite | Intro to Engineering Design |
| Course Number | H7326 | Credit | 1 unit Elective |

POWER TECHNOLOGY (10, 11, 12) This course is designed for students who are interested in engineering, design, and the mechanics trade. The focus of the course is to allow students to develop an understanding of mechanical energy systems, alternative energy sources, and the fundamental operation of internal combustion engines. The course is divided into several sections which will allow students to use their understanding of energy and power to design, construct, and test several different energy related projects such as all terrain mousetrap vehicle, electric cars, etc.

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| Course Type | 1 st Semester Course | Prerequisite | Industrial Technology |
| Course Number | H7390 | Credit | 0.5 unit Practical Art |

ELECTRICITY/ELECTRONICS (10, 11, 12) This course is designed for those students who are interested in engineering, building trades, mechanics, telecommunications, robotics, and the maintenance and service industries. The primary purpose of the course is to provide students with the opportunity to learn the theories and applications of electricity and electronics. Topics to be covered include; DC and AC circuitry, schematic diagrams, electrical components, tools and test equipment, electrical calculations and quantities, electric motors, and residential wiring.

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| Course Type | 2 nd Semester Course | Prerequisite | None |
| Course Number | H7400 | Credit | 0.5 unit Practical Art |

CARPENTRY (10, 11, 12) This is a carpentry class that will cover the following topics: Identify the career and entrepreneurial opportunities within the carpentry trade, building materials, fasteners, adhesives, hand and power tools, introduction to construction drawings, specifications, layout, floor systems, wall systems, ceiling joist and roof framing, basic stair layout, and introduction to building envelope systems. Upon completion of the course students may test for an IRC Certificate in Carpentry.

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| Course Type | Full Year Course | Prerequisite | 80%+ Industrial Technology |
| Course Number | H7410 | Credit | 1 unit Practical Art |

Lifetime Health



SEMESTER COURSES

First Semester
Lifetime Health

Second Semester
Lifetime Health

LIFETIME HEALTH (9, 10, 11, 12) This course will encourage students to recognize the impact that their lifestyle choices make now and in the future. The physical, mental, and social aspects of health are emphasized in relation to the importance of maintaining healthy body systems. Current health issues such as substance abuse, eating disorders, stress management, suicide prevention reproduction, pregnancy, abstinence, first aid, CPR, personal fitness, and nutrition and supplements will be discussed.

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H8000 | Credit | 0.5 unit Health |

Physical Education



FULL YEAR COURSES

Fitness & Conditioning
Advanced Fitness & Conditioning
Zero Hour Lifting for Sport

SEMESTER COURSES

Offered both semesters and can be taken both semesters

Men's Lifetime Physical Education
Women's Lifetime Physical Education

MEN'S LIFETIME PHYSICAL EDUCATION (9, 10, 11, 12) The main objective of the physical education department is to provide an opportunity for students to develop physically, mentally, socially and intellectually through physical activity. Students are offered a wide variety of individual, team, coed, and lifetime activities. While all students are required to take some physical fitness units, students are also given an opportunity to select activities based on their individual needs. All students will be expected to demonstrate a positive attitude toward class, other students and all instructors.

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H8070 | Credit | 0.5 unit Physical Education |

WOMEN'S LIFETIME PHYSICAL EDUCATION (9, 10, 11, 12) The main objective of the physical education department is to provide an opportunity for students to develop physically, mentally, socially and intellectually through physical activity. Students are offered a wide variety of individual, team, coed, and lifetime activities. While all students are required to take some physical fitness units, students are also given an opportunity to select activities based on their individual needs. All students will be expected to demonstrate a positive attitude toward class, other students and all instructors.

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H8080 | Credit | 0.5 unit Physical Education |

FITNESS & CONDITIONING (9, 10, 11, 12) This course is designed to improve overall athletic performance. You will receive a high intensity workout. Mobility and posterior chain development will be the main focus of the course along with information on improving nutritional intake to enhance performance. All students will be expected to demonstrate a positive attitude toward class, other students, and all instructors. Course may also be taken for a semester. Students can be enrolled in no more than two PE classes per semester.

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| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H8185 | Credit | 1 unit Physical Education |

ADVANCED FITNESS & CONDITIONING (9, 10, 11, 12) This course is designed for highly motivated individuals to improve overall athletic performance. You will receive a high intensity workout. Mobility and posterior chain will be the main focus of the course along with information on improving nutritional intake to enhance performance. All students will be expected to demonstrate a positive attitude toward class, other students, and all instructors. Course may also be taken for a semester. Students can be enrolled in no more than two PE classes per semester.

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| Course Type | Full Year Course | Prerequisite | Instructor Approval |
| Course Number | H8186 | Credit | 1 unit Physical Education |

ZERO HOUR LIFTING FOR SPORT (10, 11, 12) This class has been developed with the athlete in mind. The class will start before the regular school day and go from 6:30-8:27 a.m. No transportation is provided. Physical Education Department behavior and attendance expectations, discipline procedures and grading processes will be used. The class will focus on athletic development. This time will be utilized as an opportunity for student athletes to receive more attention and instruction on developing into a better athlete. Each day students will perform a warm up, followed by core training, speed and agility work (which will include change of direction training) and plyometric training. Students will then do a workout in the weight room that will include power lifts and Olympic lifts. There will be opportunity for coaches/athletes to invest time in sport specific auxiliary training during this part of the workout. Students will finish the workout with stretching exercises and flexibility training. Students can be enrolled in no more than two PE classes per semester.

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| Course Type | Full Year Course | Prerequisite | Instructor approval |
| Course Number | H8225 | Credit | 1 unit Physical Education |

Electives



FULL YEAR COURSES

AP Psychology
Leadership & Service
Supervised Marketing Experience
Library Practice
Elementary School Cadet Teaching
Intermediate School Cadet Teaching
Middle School Cadet Teaching
Yearbook Journalism
Office Assistant
Tiger Tech Team
Live Stream Productions

SEMESTER COURSES

Offered Both Semesters pending course enrollment

Public Speaking
General Psychology
Introduction to Sociology
Military History
Sports and Social Studies
Model United Nations
Transitions I
Students As Tutors/Mentors
Exploring the Field of Education

First Semester

Films as Literature
Intro To Theater
World Religions

Second Semester

Creative Writing
Advanced Speech & Theater
Contemporary Issues

FILMS AS LITERATURE (11, 12) Students in this course will write using strategies such as analysis, illustration, classification, and comparison and contrast as they analyze films and film techniques in a manner similar to the way that we analyze other literary forms. Students are expected to view films actively. Daily note taking, class discussion, essay writing, and oral presentations are requirements.

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| Course Type | 1 st Semester Course | Prerequisite | ELA I & II |
| Course Number | H1195 | Credit | 0.5 unit Elective |

INTRO TO THEATER (9, 10, 11, 12) Students will learn about the history of the theater and periods of western drama. Students will learn the basics of stage positions and areas, and the projection of believable characters. Students will also learn the technical aspects of theater, building a set, and producing a play.

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| Course Type | 1 st Semester Course | Prerequisite | None |
| Course Number | H1235 | Credit | 0.5 unit Elective |

PUBLIC SPEAKING (9, 10, 11, 12) Students will learn the skills of effective oral communication in both daily living and in special public speaking situations. Students will work individually and in groups to develop skills in discussion, presentation, and persuasion. Students will participate in weekly speaking assignments in the areas of informative, special event, debate, and persuasive speaking.

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H1240 | Credit | 0.5 unit Elective |

ADVANCED SPEECH & THEATER (10, 11, 12) Students will continue to improve speaking and listening skills while engaging in and learning about modern drama, advanced acting techniques, script and speech writing, and theater production design.

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| Course Type | 2 nd Semester Course | Prerequisite | Intro to Theater or Public Speaking |
| Course Number | H1245 | Credit | 0.5 unit Elective |

CREATIVE WRITING (10, 11, 12) This is an elective course intended to be taken in addition to a core English course. Creative Writing is an advanced writing course giving students the opportunity to further develop their talent in the areas of personal essay, fiction, poetry, and drama. Students will explore numerous types of genres as they work through the writing process and will be expected to identify their strengths and weaknesses as a writer. ****NCAA approved course.**

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| Course Type | 2 nd Semester Course | Prerequisite | 1.0 unit of ELA credit |
| Course Number | H1276 | Credit | 0.5 unit Elective |

CONTEMPORARY ISSUES (10, 11, 12) Recent history and current events are the emphasis of this course, but it is also a study of world culture, economics, government, geography, religion, and politics. Students read a newsmagazine regularly and report on contemporary topics. They also will watch a variety of T.V. news programs and discuss and analyze them in class. Watching and reading the daily news is mandatory homework. ****NCAA approved course.**

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| Course Type | 2 nd Semester Course | Prerequisite | None |
| Course Number | H2140 | Credit | 0.5 unit Elective |

GENERAL PSYCHOLOGY (11, 12) This course is a survey of human behavior and mental processes. Human development and its effect on learning, thinking, personality, and social relationships are examined. Topics include brain function and development, sleep and dreams, sensation and perception, learning and memory, theories of development, language and cognition, research methods, emotion, mental illness, and therapy. ****NCAA approved course.**

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H2160 | Credit | 0.5 unit Elective |

AP PSYCHOLOGY (12) This course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas. ****NCAA approved course.**

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| Course Type | Full Year Weighted Course | Prerequisite | None |
| Course Number | H2162 | Credit | 1 unit Elective |

INTRODUCTION TO SOCIOLOGY (11, 12) This course offers a study of human relationships in society. It uses the sociological point of view to examine culture, social structure, the individual in society, social institutions, and social inequality. The changing social world and its implications are presented and analyzed. Topics discussed include the development of culture, deviance and crime, poverty, the role of race and gender in society, family and marriage, religion, and how to conduct sociological research. ****NCAA approved course.**

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H2170 | Credit | 0.5 unit Elective |

WORLD RELIGIONS (10, 11, 12) This course investigates the history and beliefs of the world's major religions and the role religion plays in today's society. Students will research and learn about Christianity, Buddhism, Hinduism, Judaism, Islam, and other smaller, localized religions. Students will participate in group discussion, individual research projects, and movie reviews. ****NCAA approved course.**

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| Course Type | 1 st Semester Course | Prerequisite | None |
| Course Number | H2180 | Credit | 0.5 unit Elective |

MODEL UNITED NATIONS (9, 10, 11, 12) This course is designed to provide an orientation to the activities of the United Nations, as well as providing an understanding of the modalities of international diplomacy. Students will learn about the history of the United Nations and foreign conflicts around the world. Along with researching the inner workings of several nations, students will get a reintroduction to world cultures and geography. This course will include current events, pressing international issues, the basics of international law and some of the protocol and procedures of diplomacy. Students will participate in an actual Model United Nations Conference to give them some hands-on experience in politics and conflict resolution.

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| Course Type | 1st or 2nd Semester Course | Prerequisite | None |
| Course Number | H2185 | Credit | 0.5 unit Elective |

MILITARY HISTORY (10, 11, 12) Survey of the world history of warfare and military tactics from ancient times to modern day. Students will study the basic war theories of Thucydides, Herodotus, Sun Tzu, and Clausewitz. Primary and secondary sources will be emphasized and analyzed throughout the course. Continuity and change over time will be illustrated by using the following themes within each era of military history: 1) the attitudes of particular ages toward warfare; 2) how war influenced the society of particular periods; 3) the impact of technology on warfare in each period; 4) the nature of armies within each period, considering their structure and organization; and 5) how individual soldiers actually experienced the warfare of their time. Case studies of the most important battles and engagements will provide concrete examples of the above themes. ****NCAA approved course.**

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| Course Type | 1st or 2nd Semester Course | Prerequisite | World History |
| Course Number | H2195 | Credit | 0.5 unit Elective |

SPORTS AND SOCIAL STUDIES (9, 10, 11, 12) Students will analyze the world of sports through every aspect of social studies. Students will learn about sports management, sports history, sports psychology, sports medicine, etc. This course is intended for students considering a sports-related career in the fields of business, marketing, journalism, medicine, or even education. This course will provide a practical application of social studies and its skills. It will combine social studies standards from multiple courses into an interesting and enjoyable course. It will also introduce other social studies electives such as psychology, sociology, and contemporary issues. Students will participate in STEAM projects in social studies to provide hands-on experience and increased engagement.

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H2198 | Credit | 0.5 unit Elective |

LEADERSHIP & SERVICE (9, 10, 11, 12) Throughout history, the world's greatest leaders have embraced distinctive core values and principles upon which they have based their decisions and actions. Contrary to common opinion, leadership is not an innate trait—it can be taught and is a learned habit. Leaders are made, not born. NASSP's *Breaking Ranks* acknowledges that student leadership skills are critical if students are to be self-advocates, collaborative leaders and engage in their own education. Participants achieve an increased sense of civic and social awareness, conscientious citizenship, as well as improvements in communication skills, problem-solving abilities, service driven goals, and personal responsibility. Service gives students the opportunity to become active members of the Festus community with a lasting, positive impact. Through service students acquire 3 life benefits: psychological, social, and cognitive, while providing for those who need it most in our area. Students are required to complete 30 service hours each semester. This course is designed to provide students in grades 9-12 the opportunity to develop their leadership potential and essential skills for effective leadership. ****This course may be taken for Dual Credit through Drury University. Junior and Senior students with at least a 3.0 cumulative GPA are eligible to earn college credit. Juniors and Seniors with a GPA between 2.5 and 2.99 are eligible to earn college credit by obtaining required signed permission forms. Sophomores with at least a 3.0 cumulative GPA and required signed permission forms are eligible to earn college credit. Freshmen with at least a 3.0 cumulative GPA, a 90th percentile score on the ACT, and required signed permission forms are eligible to earn college credit.***

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| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H9090 | Credit | 1 unit Elective |

SUPERVISED MARKETING EXPERIENCE (12) Students are placed in employment that directly contributes to the development of the competencies necessary for successful employment in the field of marketing. The student must be concurrently enrolled in a Marketing I&II OR Retailing/School Based Enterprise. This is a cooperative vocational education program and must follow guidelines established for these programs. Upon course approval, students will be enrolled in one class period if they average 10-19 hours of work a week and two class periods if they average 20+ hours of work a week.

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| Course Type | Full Year Course | Prerequisite | Co-enrollment in Marketing I&II or Retailing & Instructor Approval |
| Course Number | H9096 | Credit | 1 unit Elective |

EXPLORING THE FIELD OF EDUCATION (12) This course is recommended for students who are considering a career in the field of education. Topics discussed will include career options in education, teacher preparation and certification, introduction of effective teaching, and resolving personal and interpersonal issues. Students will be required to complete six hours of classroom observations and two interviews. ****Students with a 3.0 cumulative GPA are eligible for Jefferson College credit. Students with a cumulative GPA between 2.5 and 2.99 are eligible for Jefferson College credit with parent permission and an ACT Reading score of at least 18. An ACCUPLACER Next Generation score of at least 246 may be substituted in lieu of the required ACT score.***

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | None |
| Course Number | H9096 | Credit | 0.5 unit Elective |

STUDENTS AS TUTORS/MENTORS (11, 12) This course is a service-learning program designed to aid at-risk students. Each junior and senior applying will be expected to commit to serving as a tutor/mentor developing their interpersonal skills and caring behaviors, while modeling positive learning attitudes for other students. Training for the program will be done in the first sessions of the class. This class fulfills a requirement for the A+ Program.

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | Enrollment in A+ Schools Program |
| Course Number | H9105 | Credit | 0.5 unit Elective (Pass/Fail class) |

TRANSITIONS I (9, 10, 11) This course is a course that focuses on developing skills which ensure a successful transition to high school. Students will get help with organization, study skills, and vocabulary. This course is for those students who had academic difficulty.

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| Course Type | 1 st or 2 nd Semester Course | Prerequisite | Counselor Approval |
| Course Number | H9120 | Credit | 0.5 unit Elective |

LIBRARY PRACTICE (11, 12). Student library assistants help the library staff manage and maintain the library space and its collection of resources. SLA duties include checking books in and out to students, shelving books that are returned, and performing other tasks as necessary. Potential SLAs must have good customer service skills, good attention to detail, and the ability to maintain confidentiality.

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| Course Type | Full Year Course | Prerequisite | Librarian Recommendation |
| Course Number | H9130 | Credit | 1 unit Elective (Pass/Fail class) |

YEARBOOK JOURNALISM (10, 11, 12) Students will learn the foundations of yearbook journalism. This course will introduce the process of creating the school yearbook and will introduce journalistic skills such as feature writing, photography, graphic design, advertising, and much more. Students interested in being on the yearbook staff must take this course. This is a demanding course that requires a considerable amount of time commitment on the student's part.

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| Course Type | Full Year Course | Prerequisite | Instructor Approval |
| Course Number | H9135 | Credit | 1 unit Elective |

ELEMENTARY SCHOOL CADET TEACHING (12) A history of outstanding attendance and a solid GPA is required. Cadets serve as a teaching assistant. Cadets will model ideal behavior, develop and teach lesson plans, and tutor.

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| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H9144 | Credit | 1 unit Elective (Pass/Fail class) |

INTERMEDIATE SCHOOL CADET TEACHING (12) A history of outstanding attendance and a solid GPA is required. Cadets serve as a teaching assistant. Cadets will model ideal behavior, develop and teach lesson plans, and tutor.

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| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H9146 | Credit | 1 unit Elective (Pass/Fail class) |

MIDDLE SCHOOL CADET TEACHING (12) A history of outstanding attendance and a solid GPA is required. Cadets serve as a teaching assistant. Cadets will model ideal behavior, develop and teach lesson plans, and tutor.

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| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H9148 | Credit | 1 unit Elective (Pass/Fail class) |

TIGER TIME (9, 10, 11, 12) Student Enrichment and Intervention Time. Students will utilize this course for academic remediation, tutoring, and assistance. Faculty members will provide student enrichment and interventions during Tiger Time. All building facilities will be used for enrichment purposes. ALL students will be enrolled in this class.

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| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H9160 | Credit | None |

ADVISORY (9, 10, 11, 12) Students will meet with their Advisor once a week to discuss academic progress, career planning, study skills, etc.

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| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H9162 | Credit | None |

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| PRINCIPAL OFFICE ASSISTANT (12) Students will assist the principal's office staff. Some job duties include: running messages, running passes, putting teacher's mail in their mailboxes, making copies, and getting the little kids on the bus 1 st hour. Confidentiality is extremely important and mandatory. Near perfect attendance and discipline are required to be considered for this class. | | | |
| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H9165 | Credit | None |
| COUNSELING OFFICE ASSISTANT (12) Students will assist the counseling office staff. Some job duties may include: sorting, mass mailings, running passes, new student tours, and assisting visitors. Confidentiality is extremely important and mandatory. Near perfect attendance and discipline are required to be considered for this class. | | | |
| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H9166 | Credit | None |
| ASSISTANT PRINCIPAL OFFICE ASSISTANT (12) Students will assist the assistant principal's office staff. Some job duties include: running passes, picking up attendance, and clerical duties. Confidentiality is extremely important and mandatory. Near perfect attendance and discipline are required to be considered for this class. | | | |
| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H9167 | Credit | None |
| ATHLETIC OFFICE ASSISTANT (12) Students will assist the athletic office staff. Some job duties include: taking deliveries to coaches, filing paperwork, running items to central office, and running passes. Confidentiality is extremely important and mandatory. Near perfect attendance and discipline are required to be considered for this class. | | | |
| Course Type | Full Year Course | Prerequisite | None |
| Course Number | H9169 | Credit | None |
| TIGER TECH TEAM (10, 11, 12) Members of the Tiger Tech Team will assist the librarian and the district IT department in managing, maintaining, and repairing the fleet of high school Chromebooks. Potential members must have good customer service skills, be able to follow a set of procedures, and be willing to challenge themselves to learn new technology skills. | | | |
| Course Type | Full Year Course | Prerequisite | Librarian and Teacher Recommendation |
| Course Number | H9180 | Credit | 1 unit Elective (Pass/Fail class) |
| LIVE STREAM PRODUCTIONS (10, 11, 12) This course is open to ONE student per year and is designed to give the student a greater understanding of live stream production and management. That student would be required to learn the details of the Festus R-VI live streaming equipment and process, set up live streaming equipment at Tiger Stadium, Festus baseball/softball field, Festus gyms, Festus Board room or any place else live streams may occur. They would also be responsible for setting up the schedule of live-stream events, scheduling and managing fellow students who are part of the live stream team, troubleshooting any problems that may occur with live stream events, and help in recruiting more students to join the live stream team to enable the program to grow beyond home events. Any work on live streams outside of the school day will be handled separately from this course. Interested students must have already had at least 1 semester of Festus Live Stream experience (at least 4 events) and must go through an interview lead by the Coordinator of Communications & Special Projects. | | | |
| Course Type | Full Year Course | Prerequisite | Previous Live Stream Experience |
| Course Number | H9185 | Credit | 1 unit Elective (Pass/Fail class) |

SPECIAL SERVICES – Curriculum based classes in **Basic English, Basic Math, Basic Social Studies, Study Skills, Basic Personal Finance, Daily Living, Careers, and Work Experience** to meet the individualized educational needs of those students with identified specific learning needs. Meet with your counselor if you have questions regarding special service classes.

MISSOURI OPTIONS PROGRAM – If you need information about this program, see your counselor.