

Festus High School

MISSION STATEMENT

We exist to partner with parents and 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.

HIGH SCHOOL COUNSELING STAFF

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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 plans. 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,

Mr. Karl Shininger, Principal
Festus High School

College and Career Planning Guide

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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 American 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
Foreign 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, Pre AP Chemistry, AP Chemistry, AP Physics I, AP Physics 2, Zoology, Anatomy & Physiology, and 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.

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 a total of three years.
- Graduate from a designated A+ 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 937-5944 (shemwellsteven@festusedu.com)

Opportunities To Earn College Credit

College Dual Credit Courses

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.

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 for spring of 2019 is \$94 or \$53 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. They are Computer Applications II and Accounting. A student earns FREE college credit by successfully completing an articulated course with a grade of B 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, Pre AP Chemistry, AP Chemistry, AP Physics I, AP Physics 2, AP Computer Science Principles, Studio Art, Music Theory.

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 in to 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
Biomedical Sciences
Building Repair Technology*
Computer Integrated Manufacturing
Culinary Arts*
Digital Media Technology
Early Childhood and Elementary Education
Fire Science
Health Services*
HVAC
Metal Fabrication*
Residential Carpentry*
Welding Technology

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

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 Darrell Kyle, *ATS Recruiter and Placement Coordinator*, at dkyle5@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.

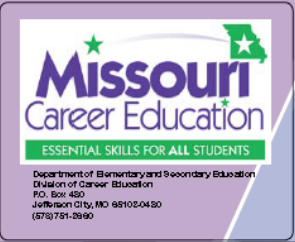
Missouri has identified six Career Paths as a way to help students become aware of and explore careers in a logical and meaningful way. Those six Career Paths are: Arts & Communications; Business, Management & Technology; Health Services; Human Services; Industrial & Engineering Technology; and Natural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



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	<u>Area Technical School of Jefferson College</u>	Additional Learning Opportunities
Secondary	9	ELA I or Advanced ELA I	Algebra I or Geometry/ Advanced Geometry	Physical Science	World History	PE I Lifetime Health Fine Arts Foreign 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 II Foreign Language II Industrial Technology		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	General Chem Ecology	US Government	<u>Personal Finance</u> Intro Engineering Design 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 Advanced Biology Zoology	AP US History	Power Technology Electricity/Electronics Principles of Engineering	<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					
Postsecondary	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 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.imagine.stu.edu Southeast MO State University www.semo.edu Southwest Baptist University www.sbuuniv.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.umsl.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
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 Bakers Commercial Fishers Farm and Ranch Workers Farm Equipment Mechanics Farmers Food Processing Workers Log Graders and Scalers Loggers Meat Cutters Mining Machine Operators Nursery Workers Rock Splitters Trash Collectors Veterinary Assistants 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	<u>Area Technical School of Jefferson College</u>	Additional Learning Opportunities
Secondary	9	ELA I or Advanced ELA I	Algebra I or Geometry/ Advanced Geometry	Physical Science	World History	PE I Lifetime Health Fine Arts Foreign Language I Computer Applications I Interior Design Industrial Technology		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 II Introduction to Art Foreign 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	Algebra II/ Advanced Algebra II or Precalculus	Ecology General Chem AP Physics I	US Government	<u>Personal Finance</u> Drawing 3-D Design Intro Engineering Design Drafting	◆ <u>Residential Carpentry I (M&C I)</u> <u>Building Repair Technology I (M&C I)</u> <input type="checkbox"/> <u>Welding Technology I</u> ◆ <u>Metal Fabrication 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	AP Calculus AB	AP Physics I AP Physics II	AP US History	Architectural Drawing Web Design Pottery Principles of Engineering	◆ <u>Residential Carpentry I (M&C I)</u> <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> ◆ <u>Metal Fabrication I (M&C I)</u> ◆ <u>+Metal Fabrication 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: _____

ATS symbol key : •Articulated Credit Dual Credit +Prerequisites M Mathematics C Communications **BOLD – AM ONLY PROGRAM** *Italicized – PM ONLY PROGRAM* Underlined – AM & PM
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Career Cluster Sample Individual Career and Academic Plan

Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org					
Postsecondary	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.ecom 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.umsl.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
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, Excepts Landscape and Naval Architecture Teachers, Postsecondary Engineering Managers Engineering Teachers, Postsecondary Historians Operations Research Analysts Political Scientists Sociologists Sociology 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	<u>Area Technical School of Jefferson College</u>	Additional Learning Opportunities	
Secondary	9	ELA I or Advanced ELA I	Algebra I or Geometry/ Advanced Geometry	Physical Science	World History	PE I Lifetime Health Fine Arts (Intro to Art) Foreign Language I Mixed Choir 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 II Foreign 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	Algebra II/ Advanced Algebra II or College Algebra AP Statistics	Ecology General 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 Studio Art	<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: _____

ATS symbol key : •Articulated Credit Dual Credit +Prerequisites M Mathematics C Communications **BOLD – AM ONLY PROGRAM** *Italicized – PM ONLY PROGRAM* Underlined – AM & PM
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Career Cluster Sample Individual Career and Academic Plan

Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org					
Postsecondary	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 Comm College www.mcckc.edu Mineral Area College www.mineralarea.edu Moberly Area Comm College www.macc.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 Davis Hart Mexico Technical School www.mexicoschools.org Eldon Career Center www.eldoncareercenter.org Four Rivers Technical Center www.washington.k12.mo.us Franklin Tech - MSSU www.ftc.joplin.com Gibson Tech Ctr - www.wolves.k12.mo.us/gtc Hannibal Career and Technical Center www.hannibal.tec.mo.us Herndon Career Center www.herndoncareercenter.com Jefferson College ATS www.jeffco.edu Hillyard Tech Center - www.hillyardtech.com Kirksville Area Technical Center www.kirksville.k12.mo.us Lake Career and Technical Center www.camdentonschools.org Lex La-Ray Tech Ctr - www.lexington.k12.mo.us Moberly Area Tech Ctr - www.moberly.k12.mo.us Nichols Career Center - www.jcps.k12.mo.us Perryville Area Career/Technical Center www.mineralarea.edu Ranken Tech College - www.ranken.edu Rolla Tech Institute - www.rolla.k12.mo.us Waynesville Technical Academy www.waynesville.k12.mo.us	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 Messenger College www.messengercollege.edu Missouri Baptist Univ - www.mobap.edu Missouri College www.missouricollege.com MO Southern State Univ - www.mssu.edu Missouri State University www.missouristate.edu	Missouri S&T – www.mst.edu Missouri State Univ – 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 Ozark Christian College – www.occ.edu Park University - www.park.edu Patricia Stevens College www.patriciastevenscollege.edu Rockhurst Univ - www.rockhurst.edu Saint Louis Univ - 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 – Rolla – www.umn.edu Univ of MO – St Louis - www.umsl.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	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training American College of Technology www.acot.edu Baptist Bible College - www.baptist.edu Barbizon School of Clayton www.barbizonmodeling.com Broadcast Center www.broadcastcenterinfo.com Calvary Bible College and Theological Seminary - www.calvary.edu Central Bible College - www.cbccag.edu Colorado Technical University www.coloradotech.com Court Report Academy www.thecourtreportingacademy.com ITT Technical Institute www.itt-tech.edu Kansas City Art Inst - www.kcai.edu Midwestern Baptists Theological Seminary - www.mbts.edu Missouri Tech – www.motech.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	
	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	



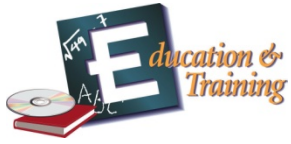
Festus High School
Business Management & Administration
Career Cluster Suggested Individual Career and Academic Plan
<http://festus.k12.mo.us>

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	<u>Area Technical School of Jefferson College</u>	Additional Learning Opportunities
Secondary	9	ELA I or Advanced ELA I	Algebra I or Geometry/ Advanced Geometry	Physical Science	World History	PE I Lifetime Health Fine Arts Foreign 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 II Foreign 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	General Chem	US Government	<u>Personal Finance</u> Law and Justice 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	College Algebra AP Statistics			AP US History Web Design General Psychology Business Mgmt & Ent Marketing II	<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: _____

ATS symbol key : •Articulated Credit Dual Credit +Prerequisites M Mathematics C Communications **BOLD – AM ONLY PROGRAM** *Italicized – PM ONLY PROGRAM* Underlined – AM & PM
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Career Cluster Sample Individual Career and Academic Plan

Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org					
Postsecondary	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-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 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.sbniv.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.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 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		
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	<u>Area Technical School of Jefferson College</u>	Additional Learning Opportunities
Secondary	9	ELA I or Advanced ELA I	Algebra I or Geometry/ Advanced Geometry	Physical Science	World History	PE I Lifetime Health Fine Arts Foreign 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 II Foreign 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	General Chem	US Government	<u>Personal Finance</u> Foreign 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	Foreign Language IV AP Psychology Introduction to Sociology Cadet Teaching Library as Practice Sports & Social Studies	<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: _____

ATS symbol key : •Articulated Credit Dual Credit +Prerequisites M Mathematics C Communications **BOLD – AM ONLY PROGRAM** *Italicized – PM ONLY PROGRAM* Underlined – AM & PM
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Career Cluster Sample Individual Career and Academic Plan

Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org					
Postsecondary	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.umsl.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
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	<u>Area Technical School of Jefferson College</u>	Additional Learning Opportunities
Secondary	9	ELA I <u>or</u> Advanced ELA I	Algebra I <u>or</u> Geometry/ Advanced Geometry	Physical Science	World History	PE I Lifetime Health Fine Arts Foreign 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 <u>or</u> Advanced ELA II	Geometry/ Advanced Geometry <u>or</u> Algebra II/ Advanced Algebra II	Biology	US History	PE II Foreign 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 <u>or</u> Advanced ELA III	Algebra II/ Advanced Algebra II <u>or</u> Precalculus AP Statistics	General Chem	US Government	<u>Personal Finance</u> Foreign 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 <u>or</u> AP English Lit & Comp	AP Statistics AP Calculus AB			AP US History	Foreign Language IV Business Mgmt & Ent Marketing II	<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: _____

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Career Cluster Sample Individual Career and Academic Plan

Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org					
Postsecondary	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 University 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.umsl.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
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	<u>Area Technical School of Jefferson</u> College	Additional Learning Opportunities
Secondary	9	ELA I <i>or</i> Advanced ELA I	Algebra I <i>or</i> Geometry/ Advanced Geometry	Physical Science	World History	PE I Lifetime Health Fine Arts Foreign 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 <i>or</i> Advanced ELA II	Geometry/ Advanced Geometry <i>or</i> Algebra II/ Advanced Algebra II	Biology	US History	PE II Foreign 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 <i>or</i> Advanced ELA III	Algebra II/ Advanced Algebra II <i>or</i> College Algebra AP Statistics	General Chem	US Government	<u>Personal Finance</u> Law and Justice General Psychology Military History	<input type="checkbox"/> Business Management I	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	12	ELA IV <i>or</i> AP English Lit & Comp	College Algebra AP Statistics			AP US History Digital Media Web Design Contemporary Issues World Religions Intro to Sociology	<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					
Postsecondary	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.imagine.slu.edu Southeast MO State University www.semo.edu Southwest Baptist University www.sbniv.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.umsu.edu Washington University www.wustl.edu Webster University www.webster.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	<u>Area Technical School of Jefferson College</u>	Additional Learning Opportunities
Secondary	9	ELA I or Advanced ELA I	Algebra I or Geometry/ Advanced Geometry	Physical Science	World History	PE I Lifetime Health Fine Arts Foreign 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 Pre AP Chem	US History	PE II Foreign 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	General Chem Ecology AP Chemistry	US Government	<u>Personal Finance</u> Foreign Language III Fitness & Conditioning Nutrition Now Child Development I	<u>Health Services Assistant (must be 16) (M&C)</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	Advanced Biology Human Anatomy & Physiology AP Physics I	AP US History	Foreign Language IV Team Sports General Psychology	<u>Health Services Assistant (must be 16) (M&C)</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: _____

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Career Cluster Sample Individual Career and Academic Plan

Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org						
Postsecondary	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.mcckc.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 Northwest 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 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.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 of St. Louis 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 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 – STL - 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 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.nursingschoolllmc.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	<u>Area Technical School of Jefferson College</u>	Additional Learning Opportunities	
Secondary	9	ELA I or Advanced ELA I	Algebra I or Geometry/ Advanced Geometry	Physical Science	World History	PE I Lifetime Health Fine Arts Foreign 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 II Foreign 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	General Chem	US Government	Personal Finance Foreign Language III Business Mgmt & Ent Law and Justice Nutrition Now Food Preparation Accounting	♦ <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 Foreign Language IV Digital Media Web Design Contemporary Issues World Religions	♦ <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: _____

ATS symbol key : •Articulated Credit □Dual Credit +Prerequisites M Mathematics C Communications **BOLD – AM ONLY PROGRAM** *Italicized – PM ONLY PROGRAM* Underlined – AM & PM
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Career Cluster Sample Individual Career and Academic Plan

Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org					
Postsecondary	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 Ozarks Tech Community College www.otc.edu St Louis Community College www.stlcc.edu Three Rivers Community College www.trcc.edu	Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm Gibson Technical Center www.wolves.k12.mo.us/gtc Jefferson College Area Technical Center www.jeffco.edu Lake Career and Technical Center www.camdentonschools.org Lebanon Technology Career Center www.lebanon.k12.mo.us Macon Area Vocational Tech School www.macon.k12.mo.us/vocational Northland Career Center www.northlandcareercenter.com Northwest Tech School - www.maryville.k12.mo.us Nevada Regional Technical Center www.nevada.k12.mo.us.us Pemiscot County Career & Tech Ctr South Central Career Center www.wphs.k12.mo.us Waynesville Technical Academy www.waynesville.k12.mo.us	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 Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Missouri Baptist Univ - www.mobap.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 Univ - www.imagine.stu.edu 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 – STL - www.ums1.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
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 Bartenders Casino Gaming Workers Chefs and Dinner Cooks Concierges Counter Attendants Fast Food Cooks Food Preparation Workers Hotel Desk Clerks Janitors and Cleaners Kitchen Helpers Maids and Housekeepers Professional Athletes Recreation Attendants Recreation Guides Recreation Workers Reservation and Ticket Agents Restaurant Hosts Tour Guides Umpires and Referees Waiters and Waitresses	Animal Trainers Casino Gaming Workers First-Line Supervisors/Managers of Housekeeping and Janitorial Workers Flight Attendants Food Service Managers Lodging Managers Reservation and Transportation Ticket Agents and Travel Clerks Residential Advisors Self-Enrichment Education Teachers Travel Agents	Interpreters and Translators Meeting and Convention Planners Recreation Workers Set and Exhibit Designers Social and Community Service Managers	Farm and Home Management Advisors		



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	<u>Area Technical School of Jefferson College</u>	Additional Learning Opportunities
Secondary	9	ELA I or Advanced ELA I	Algebra I or Geometry/ Advanced Geometry	Physical Science	World History	PE I Lifetime Health Fine Arts Foreign 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 II Foreign 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	General Chem	US Government	<u>Personal Finance</u> Foreign Language III Food Preparation Nutrition Now 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 and Physiology	AP US History	Child Development I Child Development II AP Psychology Introduction to Sociology World Religions	<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: _____

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Career Cluster Sample Individual Career and Academic Plan

Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org					
Postsecondary	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.neoshobeautycollege.com Paris II Educational Center - www.parisii.net Patsy & Robs Academy of Beauty www.praob.edu Pinnacle Career Institute www.pctraining.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.cbcaq.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.slconlin.edu St Louis College of Health Careers www.slchc.com Saint Louis Univ - 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 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
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	<u>Area Technical School of Jefferson College</u>	Additional Learning Opportunities
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	10	ELA II <i>or</i> Advanced ELA II	Geometry/ Advanced Geometry <i>or</i> Algebra II/ Advanced Algebra II	Biology	US History	PE II Foreign Language II		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	11	ELA III <i>or</i> Advanced ELA III	Algebra II/ Advanced Algebra II <i>or</i> Precalculus AP Statistics	General Chem	US Government	Personal Finance Yearbook Journalism 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 <i>or</i> AP English Lit & Comp	AP Statistics AP Calculus AB			AP US History	Web Design Digital Publishing	<input type="checkbox"/> <u>Digital Media Technology I</u> <input type="checkbox"/> <u>+Digital Media Technology I & II</u>
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					
Postsecondary	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.umsf.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.texascountyttech.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	<u>Area Technical School of Jefferson College</u>	Additional Learning Opportunities
Secondary	9	ELA I or Advanced ELA I	Algebra I or Geometry/ Advanced Geometry	Physical Science	World History	PE I Lifetime Health Fine Arts Foreign 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 II Foreign 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	General Chem	US Government	<u>Personal Finance</u> Foreign Language III Law and Justice 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 Foreign 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: _____

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					
Postsecondary	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 MO 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	Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm Columbia Career Center www.career-center.org Grand River Tech School - www.grts.org Hillyard Technical Center www.hillyardtech.com Jefferson College Area Technical Center www.jeffco.edu Rolla Technical Institute www.rolla.k12.mo.us Sikeston Career and Technology Center www.sikeston.k12.mo.us Waynesville Technical Academy www.waynesville.k12.mo.us	Avila University - www.avila.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Everest College www.everest-college.com Hannibal-Lagrange College www.hlg.edu Hickey College www.hickeycollege.edu Lindenwood Univ - www.lindenwood.edu Maryville University of St. Louis www.maryville.edu MO Southern State University 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	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 University www.semo.edu Southwest Baptist University www.sbniv.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 Univ - www.wustl.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 Patrollers Parking Enforcement Officers Parking Enforcement 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 Fire 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 Police Identification and Records Officers Police Patrol 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	<u>Area Technical School of Jefferson College</u>	Additional Learning Opportunities
Secondary	9	ELA I or Advanced ELA I	Algebra I or Geometry/ Advanced Geometry	Physical Science	World History	PE I Lifetime Health Fine Arts Foreign Language I Industrial Technology		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 II Foreign Language II Computer Applications I 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	Algebra II/ Advanced Algebra II or College Algebra Precalculus AP Statistics	General Chem	US Government	<u>Personal Finance</u> Intro Engineering Design Drafting	◆ <u>Metal Fabrication I (M&C I)</u> <input type="checkbox"/> <u>Welding Technology I</u> <u>Building Repair Technology I (M&C I)</u> ◆ <u>Residential Carpentry 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 Calculus	AP Physics I	AP US History	Principles of Engineering Power Tech Electricity/Electronics	<input type="checkbox"/> Computer Integrated Manufacturing ◆ <u>Metal Fabrication I (M&C I)</u> ◆ <u>+Metal Fabrication II (C II)</u> <input type="checkbox"/> <u>Welding Technology I</u> <input type="checkbox"/> <u>+Welding Technology II</u> <u>Building Repair Technology I (M&C I)</u> <u>+Building Repair Technology II (C II)</u> ◆ <u>Residential Carpentry I (M&C I)</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: _____

ATS symbol key : •Articulated Credit □Dual Credit +Prerequisites M Mathematics C Communications **BOLD – AM ONLY PROGRAM** *Italicized – PM ONLY PROGRAM* Underlined – AM & PM
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Career Cluster Individual Career and Academic Plan

Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org					
Postsecondary	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	Carrollton Area Career Center www.trojans.k12.mo.us Eldon Career Center www.eldoncareercenter.org Grand River Technical School www.grts.org Herndon Career Center www.herndoncareercenter.com Hilliard Technical Center www.hilliardtech.com Jefferson College Area Technical Center 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 Bryan College - www.bryancollege.ecom 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 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 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 – STL www.umsl.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 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	
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	<u>Area Technical School of Jefferson College</u>	Additional Learning Opportunities
Secondary	9	ELA I <u>or</u> Advanced ELA I	Algebra I <u>or</u> Geometry/ Advanced Geometry	Physical Science	World History	PE I Lifetime Health Fine Arts Foreign 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 <u>or</u> Advanced ELA II	Geometry/ Advanced Geometry <u>or</u> Algebra II/ Advanced Algebra II	Biology	US History	PE II Foreign Language II Public Speaking Computer Applications II Accounting		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	11	ELA III <u>or</u> Advanced ELA III	Algebra II/ Advanced Algebra II <u>or</u> College Algebra AP Statistics	General Chem	US Government	<u>Personal Finance</u> Foreign Language III Law and Justice Digital Media Marketing I	<input type="checkbox"/> Business Management I	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	12	ELA IV <u>or</u> AP English Lit & Comp	College Algebra AP Statistics		AP US History	Foreign Language IV Web Design Digital Publishing Introduction to Sociology General Psychology Marketing II Business Mgmt & Ent	<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					
Postsecondary	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 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 STL 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 MOi 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 Univ- www.rockhurst.edu Saint Louis Univ 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 – STL- www.umsl.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 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	<u>Area Technical School of Jefferson</u> <u>College</u>	Additional Learning Opportunities
Secondary	9	ELA I or Advanced ELA I	Algebra I or Geometry/ Advanced Geometry	Physical Science	World History	PE I Lifetime Health Fine Arts (Intro to Art) Foreign Language I Industrial Technology		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 II Foreign Language II Computer Applications I 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	Algebra II/ Advanced Algebra II or Precalculus AP Statistics	Pre AP Chemistry AP Physics I Earth Science	US Government	Personal Finance Foreign Language III Drawing Drafting Architectural Drawing Computer Science Intro Engineering Design		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 Advanced Biology Earth Science II	AP US History	Foreign Language IV 3-D Design Electricity/Electronics Principles of Engineering	<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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Career Cluster Sample Individual Career and Academic Plan

Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org					
Postsecondary	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.umsf.edu Washington Univ - www.wustl.edu Westminster College www.westminster-mo.edu William Jewell College - www.jewell.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 Biomedical Engineers Cartographers Chemists Civil Engineers Electrical and Electronics Engineers Energy Engineers Environmental Engineers Geospatial Information Scientists and Technologists Industrial Engineers Manufacturing Engineers Materials Engineers Mechanical Engineers Meteorologists Mining Engineers Nuclear Engineers Petroleum 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	



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	<u>Area Technical School of Jefferson</u> <u>College</u>	Additional Learning Opportunities
Secondary	9	ELA I or Advanced ELA I	Algebra I or Geometry/ Advanced Geometry	Physical Science	World History	PE I Lifetime Health Fine Arts Foreign 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 II Foreign Language II Industrial Technology		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	General Chem	US Government	<u>Personal Finance</u> Intro Engineering Design Computer Applications 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 Physics I	AP US History	Power Tech Computer Applications II Electricity/Electronics Principles of Engineering	<input type="checkbox"/> Automotive Technology	Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <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
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Career Cluster Sample Individual Career and Academic Plan

Postsecondary Offerings – For a complete listing, go to www.missouriconnections.org				
Postsecondary	Community College	Technical School/Training Institution	In State	Out of State/Other
	<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Hannibal-Lagrange College www.hlq.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>Linn State Technical College www.linnstate.edu</p> <p>Metropolitan Community College www.mcckc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>Moberly Area Community College www.macc.edu</p> <p>North Central Missouri College www.ncmissouri.edu</p> <p>Ozarks Technical Comm College www.otc.edu</p> <p>Ranken Technical College www.ranken.edu</p> <p>Sanford-Brown College www.sanford-browncollege.com</p> <p>St Louis Community College www.stlcc.edu</p> <p>State Fair Community College www.sfccmo.edu</p>	<p>Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm</p> <p>Clinton Tech School www.clinton.k12.mo.us</p> <p>Davis Hart Career www.mexicoschools.net</p> <p>Eldon Career www.eldoncareercenter.org</p> <p>Four Rivers Career Center www.washington.k12.mo.us</p> <p>Gibson Tech Ctr www.wolves.k12.mo.us/gtc</p> <p>Grand River Tech School - www.grts.org</p> <p>Hannibal Career and Technical Center www.hannibal.tec.mo.us</p> <p>Herndon Career Center www.herndoncareercenter.com</p> <p>Kirksville Area Tech www.kirksville.k12.mo.us</p> <p>Lake Career and Technical Center www.camdentonschools.org</p> <p>Lebanon Technology and Career Ctr www.lebanon.k12.mo.us/lbcc</p> <p>Nichols Career Center www.jcps.k12.mo.us</p> <p>Northland Career Center www.northlandcareercenter.com</p> <p>NW Tech School www.maryville.k12.mo.us</p> <p>Pike-Lincoln Tech Ctr - www.pltc.k12.mo.us</p> <p>Rolla Tech Institute - www.rolla.k12.mo.us</p> <p>Saline County Career Center www.marshallschools.com/sccc</p> <p>Sikeston Career & Technology Center www.sikeston.k12.mo.us</p> <p>South Central Career Ctr - www.wphs.k12.mo.us</p> <p>Waynesville Technical Academy www.waynesville.k12.mo.us</p>	<p>Avila University - www.avila.edu</p> <p>Baptist Bible College - www.baptist.edu</p> <p>Bryan College - www.bryancollege.com</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.cofo.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Culver-Stockton College - www.culver.edu</p> <p>DeVry Univeristy - www.devry.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Everest College - www.everest-college.edu</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Grantham Univ - www.grantham.edu</p> <p>Harris-Stowe State Univ - www.hssu.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Maryville University of Saint Louis www.maryville.edu</p> <p>Messenger College www.messengercollege.edu</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>Missouri College www.missouricollege.com</p> <p>Missouri Southern State University www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri State Univ – West Plains www.wp.missouristate.edu</p> <p>Missouri University of Science & Tech www.mst.edu</p>	<p>Missouri Western State University www.missouriwestern.edu</p> <p>Northwest Missouri State University www.nwmissouri.edu</p> <p>Park University - www.park.edu</p> <p>Rockhurst Univ - www.rockhurst.edu</p> <p>Patricia Stevens College www.patriciastevenscollege.edu</p> <p>St. Louis Univ - www.imagine.slu.edu</p> <p>SE MO State Univ www.semo.edu</p> <p>Southwest Baptist University www.sbuniv.edu</p> <p>Stephens College www.stephens.edu</p> <p>Truman State Univ - www.truman.edu</p> <p>Univ of Central MO - www.ucmo.edu</p> <p>Univ of MO– www.missouri.edu</p> <p>Univ of MO – KC www.umkc.edu</p> <p>Univ of MO – STL www.umsl.edu</p> <p>Univ of Phoenix - www.phoenix.edu</p> <p>Vatterott College www.vatterott-college.edu</p> <p>Washington Univ - www.wustl.edu</p> <p>Webster Univ - www.websteruniv.edu</p> <p>Westminster College www.westminster-mo.edu</p> <p>William Jewell College - www.jewell.edu</p> <p>William Woods University www.williamwoods.edu</p>

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
<p>Air Traffic Controllers and Flight Attendants</p> <p>Auto Body Repairers</p> <p>Bicycle Repairers</p> <p>Bus Drivers and School Bus Drivers</p> <p>Dispatchers and Traffic Technicians</p> <p>Freight Handlers</p> <p>Heavy Equipment Mechanics</p> <p>Heavy Truck Drivers</p> <p>Motorboat & Motorcycle Mechanics</p> <p>Parking Lot Attendants</p> <p>Riggers</p> <p>Service Station Attendants, Tire Repairers & Changers</p> <p>Transportation Agents</p>	<p>Aircraft Mechanic & Automobile Mechanics</p> <p>Bus and Truck Mechanics & Diesel Engine Specialists</p> <p>Electronic Equipment Installers/Repairers, Motor Vehicles & Transportation Equipment</p> <p>First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand</p> <p>First-Line Supervisors/Managers of Transportation</p> <p>Material-Moving Machine and Vehicle Operators</p> <p>Motorboat Mechanics and Motorcycle Mechanics</p> <p>Signal and Track Switch Repairers</p> <p>Traffic Technicians</p> <p>Transportation Vehicle, Equipment/Systems</p> <p>Inspectors</p>	<p>Airline Pilot</p> <p>Logisticians</p> <p>Storage and Distribution Managers</p>	<p>Chief Executive</p>

Course Matrix

English

<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 I	1115	1	9					X
Advanced ELA I	1122	1	9	80%+ 8 th gr. Adv Eng				X
ELA II	1145	1	10					X
Advanced ELA II	1152	1	10	80%+ Adv ELA I or 84%+ ELA I				X
ELA III	1165	1	11					X
Advanced ELA III	1172	1	11	80%+ Adv ELA II or 84%+ ELA II	X			X
ELA IV	1204	1	12					X
AP English Lit & Comp	1206 1207	0.5 0.5	12	80%+ Adv ELA III	X	X	X	X

Social Studies

<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	2120	1	9					X
US History	2130	1	10	World History				X
US Government	2190	1	11	US History				X
AP US History	2137 2138	0.5 0.5	12	US Gov or dept approval	X	X	X	X

Math

<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	3115	1	9					
Algebra I	3130	1	9-10					X
Algebra I Support (Elective credit)	3135	1	9-10	Concurrent Alg I, Teacher Recommendation				
Geometry	3170	1	10-12	Algebra I				X
Advanced Geometry	3172	1	9-12	80%+ Algebra I				X
Industrial Math	3175	1	10-12	Geometry or Adv Geometry				
Algebra II	3180	1	10-12	Geometry or Adv Geometry				X
Algebra II Support (Elective credit)	3182	1	11-12	Concurrent Alg II Teacher Recommendation				
Advanced Algebra II	3185	1	10-12	Algebra I and Adv Geometry				X
Math Analysis	3190	1	11-12	Geometry and Algebra II				X
AP Statistics	3192	1	10-12	Algebra II or Adv Algebra II	X	X	X	X
College Algebra	3194	1	11-12	80%+ Algebra II	X	X		X
Pre-Calculus	3205	1	11-12	80%+ Adv Alg II or Col Alg	X	X		X
AP Calculus AB	3215	1	12	Pre-Calculus	X	X	X	X

Science

<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	4110	1	9					X
Biology	4120	1	10					X
Ecology	4125	1	11-12					X
Anatomy/ Physiology	4140	1	11-12	Biology				X
Zoology	4160	1	11-12	Biology				X
Earth Science	4170	0.5	11-12	Phys. Sci. Geometry				X
Earth Science II	4175	0.5	11-12	Phys. Sci. Geometry				X
Gen Chemistry	4190	1	9-12	Phys. Sci, Geometry*				X
Pre AP Chem	4195	1	9-12	Phys. Sci, Geometry*	X			X
Adv Biology	4200	1	10-12	Phys. Sci. Biology	X	X		X
AP Physics 1	4205	1	10-12	Alg II	X		X	X
AP Physics 2	4215	1	11-12	AP Physics I	X		X	X
AP Chemistry	4265 4270	1	10-12	Pre AP Chem, Alg II	X	X	X	X

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

Foreign 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	5110	1	9-11					X
Spanish II	5120	1	10-12	70%+ Spanish I				X
Spanish III	5130	1	11-12	70%+ Spanish II	X	X		X
Spanish IV	5140	1	12	70%+ Spanish III	X	X		X
Introduction to Linguistics	5200	.5	9-12	Spanish I or French I				
French I	5210	1	9-11					X
French II	5220	1	9-12	70%+ French I				X
French III	5230	1	10-12	70%+ French II	X	X		X
French IV	5240	1	11-12	70%+ French III	X	X		X

Fine Arts

<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	6110	1	9-12					
Drawing	6120	0.5	10-12	70%+ Intro to Art				
Painting	6130	0.5	10-12	70%+ Intro to Art				
3D Design	6140	0.5	10-12	70%+ Intro to Art				
Pottery I	6150	0.5	10-12					
Pottery II	6160	0.5	10-12	70%+ Pottery I				
AP Studio Art	6190	1	11-12	Instructor Approval	X		X	
Beginning Piano	6225	0.5	9-12					
Mixed Choir	6255	1	9-12					
Treble Choir	6256	1	9-12	Instructor Approval				
Tenor/Bass Choir	6258	1	9-12	Instructor Approval				
Concert Choir	6260	1	9-12	Instructor Approval				
Marching/ Freshman Band	6285	1	9	Prev. Band Experience &/or Director Approval				
Marching Band	6290	0.5 (1 st Sem. only, must add 2 nd Sem. band)	10-12	Prev. Band Experience &/or Director Approval				
Symphonic Band	6300	0.5 (2 nd Sem. only)	10-12	Marching Band, Prev. Band Experience, Audition &/or Director Approval				
Concert Band	6310	0.5 or 1.0 (1 st &/or 2 nd semester)	10-12	Marching Band, Prev. Band Experience, Audition &/or Director Approval				
Jazz Band	6320	1 or 0.5	9-12	Audition &/or Director Approval				
Music Theory	6400	1	9-12	Instructor Approval	X	P	P	

Practical Arts

SUBJECT	COURSE #	CREDIT	GRADE	PRE-REQ	WEIGHTED	DUAL CREDIT	AP	NCAA APPROVED
Personal Finance	7005	0.5	10-12			X		
Computer App. I	7020	0.5	9-12					
Computer App. II	7025	0.5	9-12	70%+ Comp Apps I		Articulated		
Computer Science	7058	0.5	9-12					
AP Computer Science Principles	7070	1	11-12	70%+ Algebra I	X		X	
Business Management and Entrepreneurship	7105	0.5	11-12					
Law and Justice	7120	0.5	10-12					
Digital Media	7130	0.5	11-12					
Web Design	7150	0.5	10-12	Basic Keyboarding Skills				
Digital Publishing	7168	0.5	11-12	Basic Keyboarding Skills				
Marketing I	7175	0.5	10-12					
Marketing II	7177	1	11-12	Marketing I				
Accounting	7190	1	10-12			Articulated		
Food Preparation	7230	0.5	11-12					
Nutrition Now	7240	0.5	11-12					
Child Dev I	7250	0.5	11-12					
Child Dev II	7255	0.5	11-12					
Interior Design	7295	0.5	9-12					
Industrial Technology	7300	1	9-11					
Intro to Engineering Design	7325	1	10-12	70%+ Geometry				
Principles of Engineering	7326	1	11-12	Intro to Engineering Design				
Drafting	7330	0.5	10-12	Industrial Tech or 70%+ Geometry				
Architectural Drawing	7360	0.5	10-12	70%+ Drafting				
Power Technology	7390	0.5	10-12	Industrial Tech				
Electricity/ Electronics	7400	0.5	10-12					
Carpentry	7410	1	9-12	Industrial Tech & Drafting				

Physical Education

<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	8000	0.5	9					
Men's Lifetime Physical Ed	8070	0.5 or 1	9-12					
Women's Lifetime Physical Ed	8080	0.5 or 1	9-12					
Fitness & Conditioning	8185	1	10-12	Lifetime PE				
Women's Fitness & Conditioning	8190	1	9-12	Lifetime PE				
Aerobic Fitness	8210	1	9-12	Lifetime PE				
Zero Hour Lifting for Sport	8225	1	10-12	Instructor Approval				

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

Electives

SUBJECT	COURSE #	CREDIT	GRADE	PRE-REQ	WEIGHTED	DUAL CREDIT	AP	NCAA APPROVED
Films as Lit.	1195	0.5	11-12	ELA I & II				
Intro to Theater	1235	0.5	10-12					
Public Speaking	1240	0.5	10-12					
Adv. Speech & Theater	1245	0.5	11-12	Intro to Theater/Pub speaking				
Creative Writing	1276	0.5	10-12	1.0 unit of ELA credit				X
ACT Prep	1280	0.5	10-12					
Contemporary Issues	2140	0.5	11-12					X
General Psychology	2160	0.5	11-12					X
AP Psychology	2162	1	12		X		X	X
Intro to Sociology	2170	0.5	11-12					X
World Religions	2180	0.5	11-12					X
Military History	2195	0.5	10-12	World History				
Sports & Social Studies	2198	0.5	10-12					
Leadership & Service	9090	1	9-12					
Students as Tutor/Mentor	9105	0.5	11-12	A+ enrollment				
Transitions I	9120	0.5	9					
Transitions II	9125	0.5	10					
Transitions III	9127	0.5	11					
Library Practice	9130	1	11-12	Librarian Rec.				
Elementary Cadet Teach	9144	1	12	Application				
Intermediate Cadet Teach	9146	1	12	Application				
M.S. Cadet Teaching	9148	1	12	Application				
Yearbook Journalism	9156	0.5 or 1	9-12	Instructor Approval				
Tiger Time	9160	NO CREDIT	ALL					
Advisory	9162	NO CREDIT	ALL					
Office Assistant	9165, 9166, 9167, 9169	NO CREDIT	12					
Tiger Tech Team	9180	1	9-12	Instructor 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

*English Elective courses can be found starting on page 92

SEMESTER COURSES

For elective credit only

First Semester

Films as Literature
Intro to Theater
Public Speaking
ACT Prep
Creative Writing

Second Semester

Films as Literature
Public Speaking
Advanced Speech & Theater
ACT Prep
Creative Writing

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 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. *To be eligible for Jefferson College credit, students must have at least a 3.0 cumulative GPA. Students with at least a 2.5 cumulative GPA AND an ACT English score of 18 or higher AND an ACT Reading score of 18 or higher are also eligible for college credit.**

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

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	2 nd Semester Course	Prerequisite	9 th and 10 th grade English
Course Number	H1195	Credit	0.5 unit Elective

INTRO TO THEATER (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 (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 (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

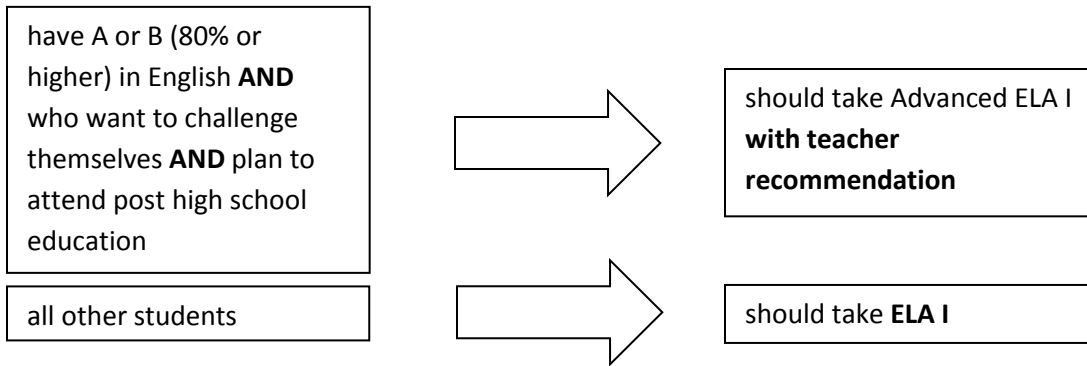
CREATIVE WRITING (10, 11, 12) This is an elective course intended to be taken in addition to a core English course. Creative Writing is an advanced writing course giving students the opportunity to further develop their talent in the areas of personal essay, fiction, poetry, and drama. Students will 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	1 st or 2 nd Semester Course	Prerequisite	One Language Arts Credit
Course Number	H1276	Credit	0.5 unit Elective

ACT PREP (10, 11, 12) The ACT Prep course is designed to prepare students for taking the ACT college entrance test. Students review English, mathematics, reading, and science reasoning skills. Students learn and apply strategies to improve ACT scores. During the course, students will take multiple practice tests. Students are also required to take the actual ACT exam during the semester in which they are enrolled. Critical-thinking/problem-solving exercises are also included in this course.

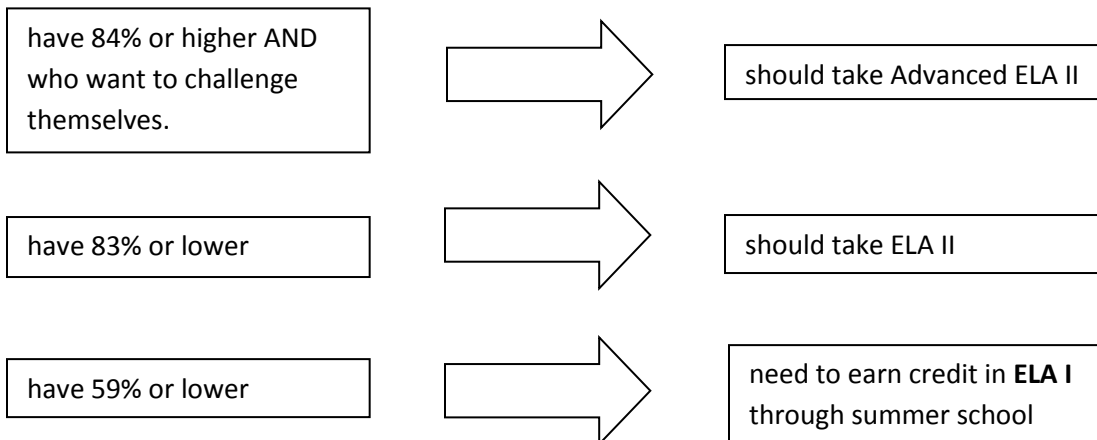
Course Type	1 st or 2 nd Semester Course	Prerequisite	None
Course Number	H1280	Credit	0.5 unit Elective

Current eighth grade students who:



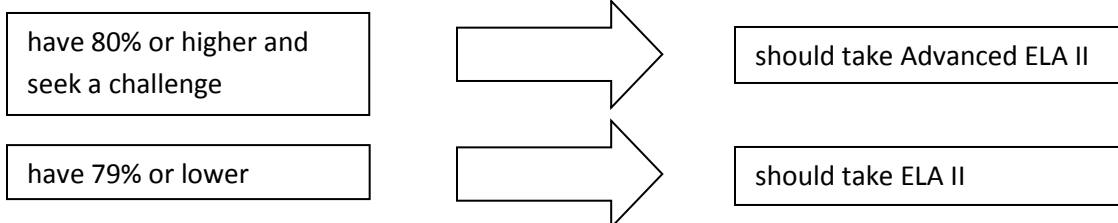
Always use the student's English average for first semester and second semester so far.

Current ELA I students who:



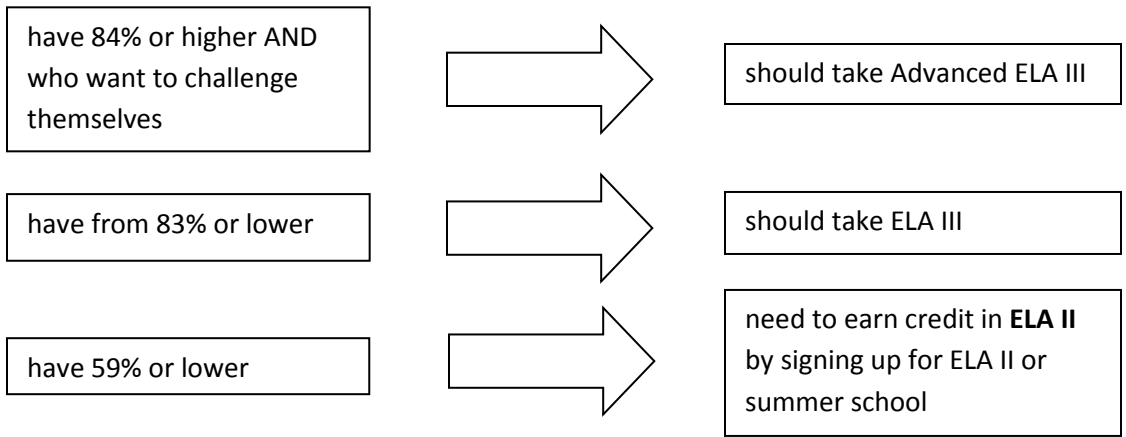
Always use the student's English average for first semester and second semester so far.

Current Advanced ELA I students who:



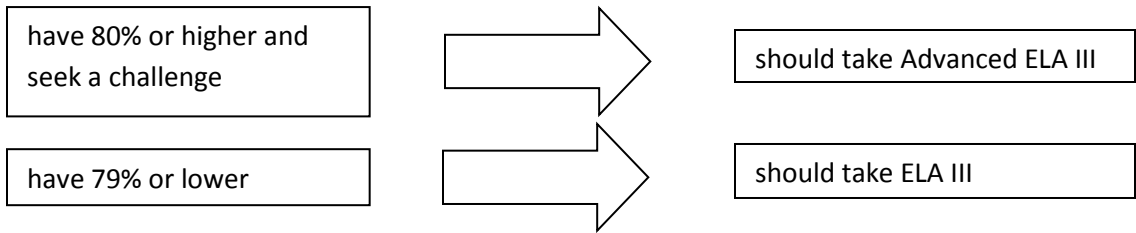
Always use the student's English average for first semester and second semester so far.

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:



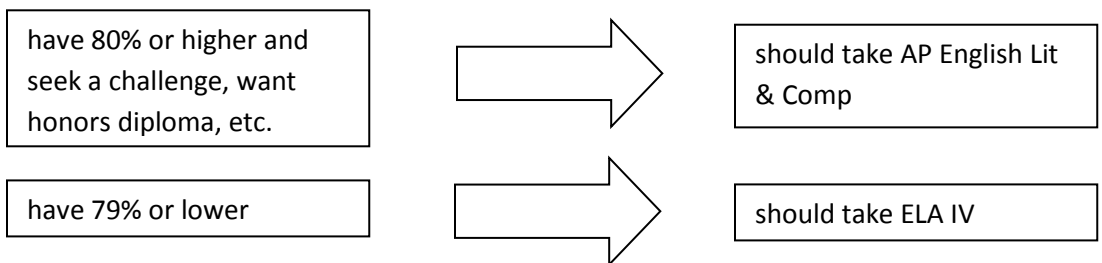
Always use students' English average for first semester and second semester so far.

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 92

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

Second Semester

Contemporary Issues
General Psychology
Introduction to Sociology
Sports and Social Studies
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. *To be eligible for Jefferson College credit, students must have at least a 3.0 cumulative GPA. Students with at least a 2.5 cumulative GPA AND an ACT Reading score of 18 or higher are also eligible for college credit.**

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 (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 (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

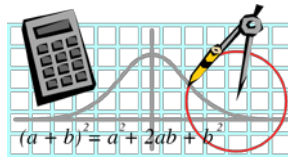
MILITARY HISTORY (10, 11, 12) Survey of the world history of warfare and military tactics from ancient times to modern day. Students will study the basic war theories of Thucydides, Herodotus, Sun Tzu, and Clausewitz. Primary and secondary sources will be emphasized and analyzed throughout the course. 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.**

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

SPORTS AND SOCIAL STUDIES (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. Student 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

Algebra II Support Course

Advanced Algebra II

Math Analysis

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 (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 (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.**

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

ALGEBRA II SUPPORT COURSE (11, 12) This course is based on the curriculum of Algebra II and the individual student's needs. Concepts will include techniques for solving linear, quadratic, exponential and logarithmic equations, factoring, and graphing linear, quadratic, exponential and logarithmic functions. 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 II Teacher Recommendation
Course Number	H3182	Credit	1 unit Elective

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

MATH ANALYSIS (11, 12) This course reinforces and advances the concepts taught in Algebra II. It also prepares students for a college freshman level math course. ****NCAA approved course.**

Course Type	Full Year Course	Prerequisite	Geometry and Algebra II
Course Number	H3190	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. **To be eligible for Jefferson College credit, students must have at least a 3.0 cumulative GPA. Students with at least a 2.5 cumulative GPA AND an ACT Math score of 22 or higher AND an ACT Reading score of 18 or higher are also eligible for college credit.***

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. **To be eligible for Jefferson College credit, students must have at least a 3.0 cumulative GPA. Students with at least a 2.5 cumulative GPA AND an ACT Math score of 22 or higher AND an ACT Reading score of 18 or higher are also eligible for college credit.***

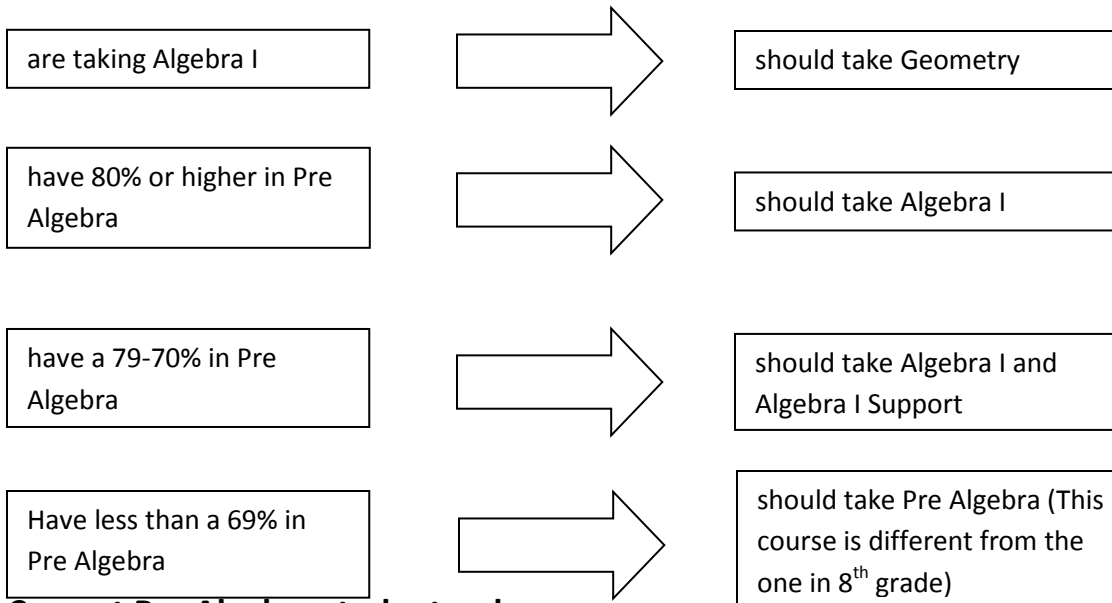
Course Type	Full Year Weighted Course	Prerequisite	80%+ Algebra II or College Algebra
Course Number	H3205	Credit	1 unit Mathematics

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.**

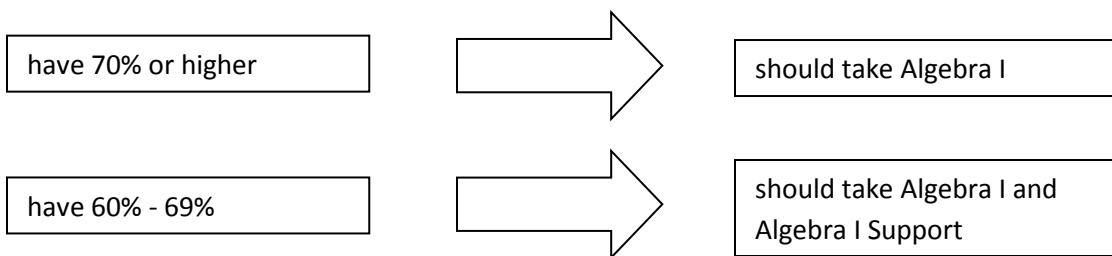
Course Type	Full Year Weighted Course	Prerequisite	Precalculus
Course Number	H3215	Credit	1 unit Mathematics

Math Flow Chart

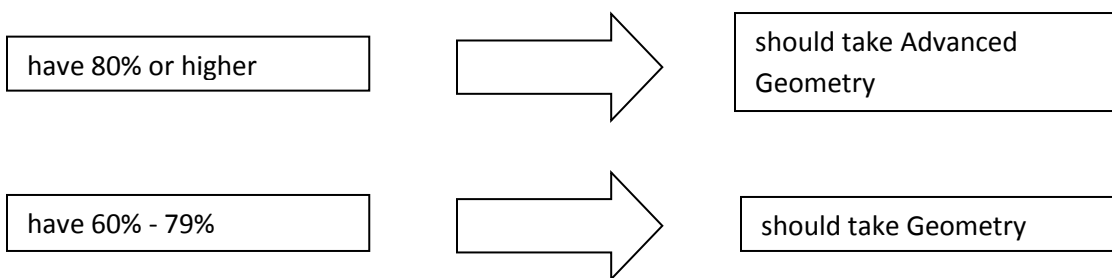
Current 8th Grade students who:



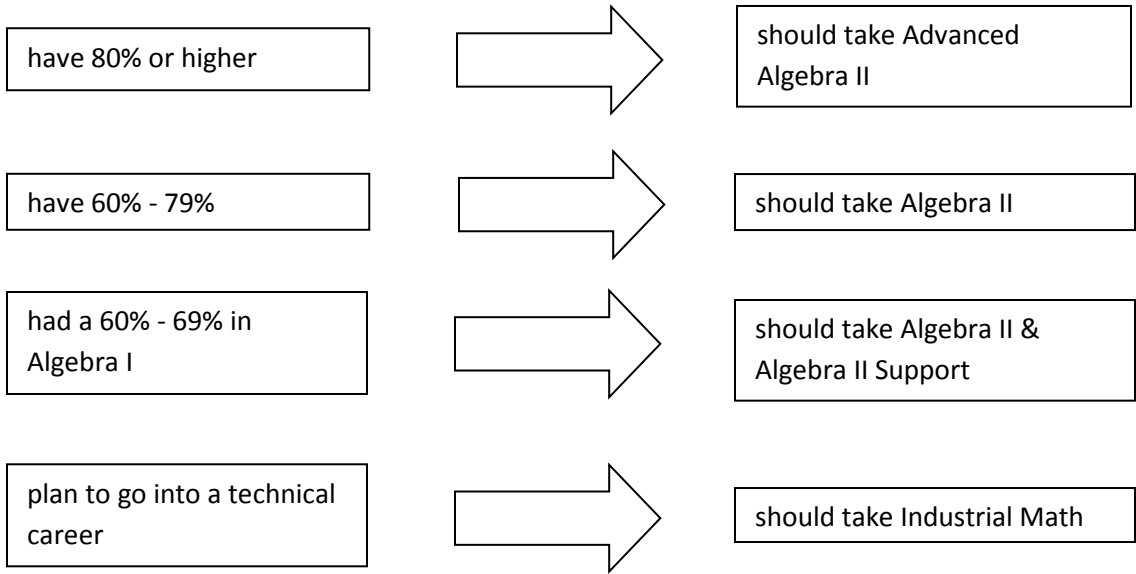
Current Pre Algebra students who:



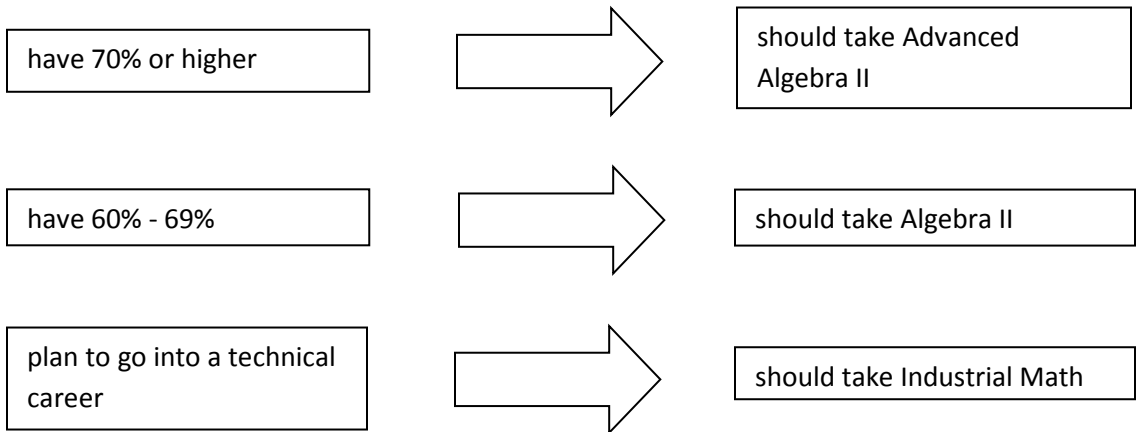
Current Algebra I students who:



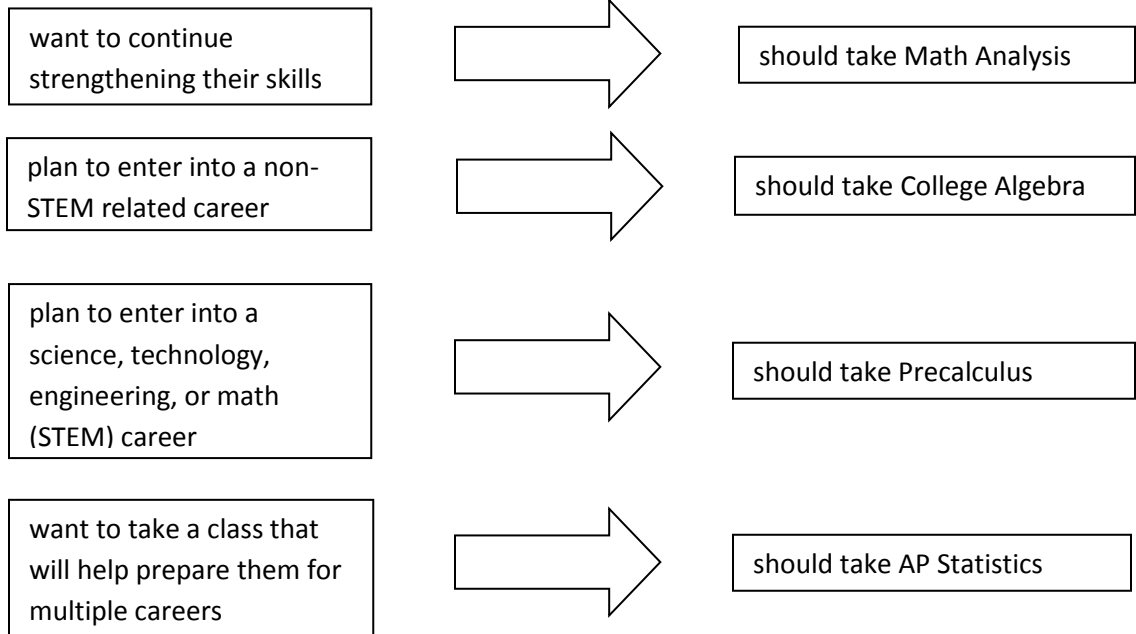
Current Geometry students who:



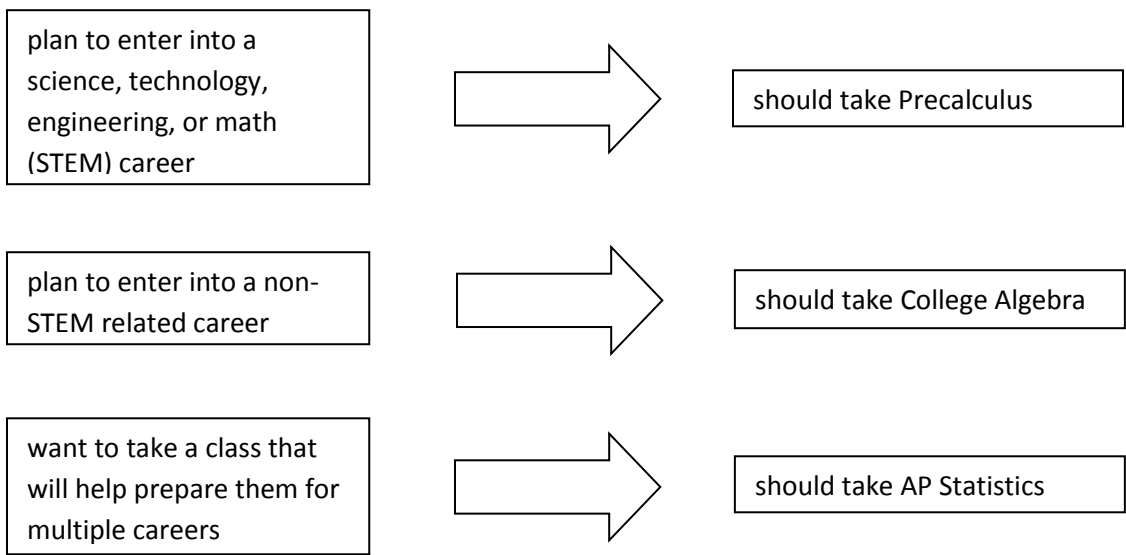
Current Advanced Geometry students:



Current Algebra II students who:



Current Math Analysis students who:



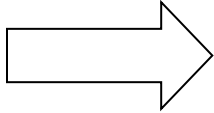
Current Precalculus students who:

plan to enter into a STEM related career



should take AP Calculus AB

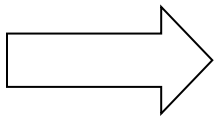
want to take a class that will help prepare them for multiple careers



should take AP Statistics

Current College Algebra students who:

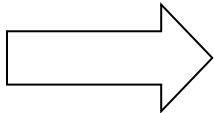
want to take a class that will help prepare them for multiple careers



should take AP Statistics

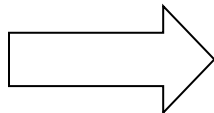
Current AP Statistics students who:

plan to enter into a science, technology, engineering, or math (STEM) career



should take Precalculus

plan to enter into a non-STEM related career



should take College Algebra

Science



FULL YEAR COURSES

Physical Science
Biology
Ecology
Human Anatomy/Physiology
Zoology
General Chemistry
Pre AP Chemistry
Advance 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 relationships and interactions of plants and animals. Students will learn to use science notebooks and field investigation techniques to explore the outdoor world of ecology. This class is for you if you enjoy learning about nature! Major class projects include: grass sod plots, leaf collection, and indoor/outdoor garden. The first semester focuses on plant and animal life in Missouri using curriculum materials from the Department of Conservation. Required projects include a leaf collection and gardening. The second semester focuses on the human systems, wellness and disease. Outdoor activity is required as part of the class. ****NCAA approved course.**

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

HUMAN ANATOMY/PHYSIOLOGY (11, 12) Why do you need a pancreas? Could you live if you did not have a scaphoid bone? What does a cat's stomach look like? What does it feel like to hold a real human heart or a real human brain? What does a rat's integument look and feel like? Enroll in Human Anatomy/Physiology and learn the answers to these questions. You will learn the major anatomical areas of the human body, the major bones and muscles as well as the major internal organs and their functions. Our annual field trip to St. Louis University to participate in the human dissection is always very popular. Be prepared for some very challenging reading material. ****NCAA approved course.**

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

ZOOLOGY (11, 12) This course is designed to study the animal kingdom. The course deals with invertebrate and vertebrate animals. Invertebrate and vertebrate anatomy and physiology are studied through dissections and associated lab work. ****NCAA approved course.**

Course Type	Full Year Course	Prerequisite	Biology
Course Number	H4160	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. Earth Science is not a prerequisite. ****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	Geometry, Physical Science
Course Number	H4190	Credit	1 unit Science

PRE AP CHEMISTRY (9, 10, 11, 12) This is a first year chemistry course 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 Pre AP 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
Course Number	H4195	Credit	1 unit Science

ADVANCED BIOLOGY (10, 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. **To be eligible for Jefferson College credit, students must have at least a 3.0 cumulative GPA. Students with at least a 2.5 cumulative GPA AND an ACT Reading score of 18 or higher are also eligible for college credit.***

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.

4195 Pre-AP 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

4130 Earth Science
*Completion of Physical Science and completion or co-enrollment in Biology and Geometry/Advanced Geometry.

4190 General Chemistry

4195 Pre-AP Chemistry

4205 AP Physics 1

Junior Year and/or Senior Year

4125 Ecology

4140 Human Anatomy

4160 Zoology

4130 Earth Science
(1st Semester)

4175 Earth Science II
(2nd Semester)

4190 General Chemistry

4195 Pre-AP Chemistry

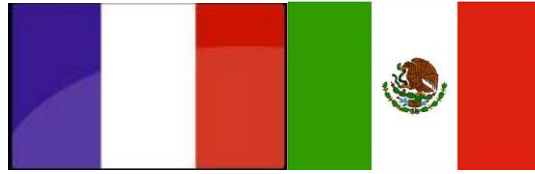
4265/4270 AP Chemistry

4200 Advanced Biology
(college-credit class)

4205 AP Physics 1

4215 AP Physics 2

Foreign Language



FULL YEAR COURSES

Spanish I

Spanish II

Spanish III

Spanish IV

Introduction to Linguistics

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	70%+ 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	70%+ 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 weighed 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	70%+ Spanish III
Course Number	H5140	Credit	1 unit Elective

INTRODUCTION TO LINGUISTICS (9, 10, 11, 12) This semester-long course will familiarize the student with what makes languages work and what they have in common. Students will study all necessary components of language and then by selecting which components they feel most efficacious and aesthetic, will create an original language of their own design. This familiarity will facilitate language acquisition regardless of the specific target language.

Course Type	1 st or 2 nd Semester Course	Prerequisite	Spanish I or French I
Course Number	H5200	Credit	0.5 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	70%+ 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	70%+ 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	70%+ French III
Course Number	H5240	Credit	1 unit Elective

FINE ARTS



FULL YEAR COURSES

Introduction To Art
Studio Art
Mixed Choir
Treble Choir
Tenor/Bass Choir
Concert Choir
Marching/Freshman Band
Concert Band
Jazz Band
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, oil pastels, chalk and pen and ink. 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	70%+ Introduction to Art
Course Number	H6120	Credit	0.5 unit Fine Art

PAINTING (10, 11, 12) Students will explore a variety of media, tempera, watercolor and acrylic paint, as well as learn many different 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	70%+ 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 2- dimensional works and begin creating 3- dimensional works of art. Students will become acquainted with several techniques such as using molds, additive/subtractive sculpture, relief sculpture, and basket weaving.

Course Type	1 st Semester Course	Prerequisite	70%+ Introduction to Art
Course Number	H6140	Credit	0.5 unit Fine Art

POTTERY I (10, 11, 12) Students will learn the history of ceramics and 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	70%+ Pottery I
Course Number	H6160	Credit	0.5 unit Fine Art

AP STUDIO ART (11, 12) The Studio Art course is designed for students interested in a rigorous, advanced and focused study in art. Students will develop a quality portfolio that demonstrates a mastery of concept, composition and execution in 2D Design **OR** Drawing **OR** 3D Design. This course is based on a student creating a body of work (portfolio) that demonstrates quality, concentration and breadth. 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.

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.

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.

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.

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.

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. As a performance ensemble, attendance at all performances is required. 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.

Course Type	Full Year Course	Prerequisite	Previous Band Experience &/or Director Approval
Course Number	H6285	Credit	1 unit Fine Art

MARCHING BAND (9, 10, 11, 12) The course is required for freshmen band students, and 10-12 membership on approval. 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.

Course Type	1 st Semester	Prerequisite	Previous Band Experience &/or Director Approval
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.

Course Type	2 nd Semester	Prerequisite	Marching Band, Previous Band Experience Audition &/or 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 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.

Course Type	Full Year Course	Prerequisite	Marching Band, Previous Band Experience Audition &/or Director Approval
Course Number	H6310	Credit	1 unit Fine Art

JAZZ BAND (9, 10, 11, 12) This small standard-sized jazz band is made up of the best instrumental players in the school, and plays everything from swing to funk to Latin to rock type songs. To be in jazz band, you must also be enrolled in freshmen, concert, symphonic or marching band. Students must attend ALL performances including concerts, ball games, festivals, and community events.

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

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. **SPECIAL NOTE: We will be submitting this course for AP approval. It *may* also be eligible for dual credit.**

Course Type	Full Year Weighted Course	Prerequisite	Instructor Approval
Course Number	H6400	Credit	1 unit Fine Art

PRACTICAL ARTS



FULL YEAR COURSES

Accounting
AP Computer Science Principles
Marketing II
Industrial Technology
Intro to Engineering Design
Principles of Engineering
Carpentry

SEMESTER COURSES

First Semester

Personal Finance
Computer Applications I
Computer Science
Law and Justice
Digital Media
Web Design
Digital Publishing
Marketing I
Nutrition Now
Parenting
Interior Design
Drafting
Power Technology
Business Management & Entrepreneurship
Computer Applications II

Second Semester

Personal Finance
Computer Applications II
Digital Media
Law and Justice
Computer Science
Digital Publishing
Interior Design
Business Management & Entrepreneurship
Food Preparation
Child Development
Computer Applications I
Architectural Drawing
Electricity/Electronics

PERSONAL FINANCE (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).***

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

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.

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.***

Course Type	1 st or 2 nd Semester Course	Prerequisite	70%+ 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).

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.

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.

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

LAW AND JUSTICE (10, 11, 12) Why do you need to know the law? You need to know the law because it is all around us and will impact our lives at some point. As you identify the need for laws, you will develop an appreciation of the rights, duties, and obligations of individuals as citizens and consumers. Criminal and civil law are introduced, including: trial procedures, jury selection, felonies, misdemeanors, torts, negligence, and damages. Laws governing minors at home, at school, and on the job are covered; also introduced are laws for adults and the family regarding marriage, wills, divorce, death, employment, and contracts. Class discussions of current legal topics and case analysis will be a primary method of learning. This course is an excellent source for personal law-related topics, but also is a great introduction for a student that is considering studying law or business at the university level.

Course Type	1 st Semester Course	Prerequisite	None
Course Number	H7120	Credit	0.5 unit Practical Art

DIGITAL MEDIA (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.

Course Type	1 st or 2 nd Semester Course	Prerequisite	None
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.

Course Type	1 st or 2 nd Semester Course	Prerequisite	Basic Keyboarding Skills
Course Number	H7150	Credit	0.5 unit Practical Art

DIGITAL PUBLISHING (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.

Course Type	1 st or 2 nd Semester Course	Prerequisite	Basic Keyboarding Skills
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.

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.

Course Type	Full Year Course	Prerequisite	Marketing I
Course Number	H7177	Credit	1 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.***

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

FOOD PREPARATION (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.

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

NUTRITION NOW (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.

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.

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.

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

INTERIOR DESIGN (9, 10, 11, 12) This course is an introduction to the field of interior design. Topics of functional and aesthetic elements for residential interiors are covered. Emphasis is placed on: housing needs and decisions, principles and elements of design, and the selection and organization of furnishings, floor and wall coverings, window treatments, lighting, and accessories as well as home maintenance. We will explore the history of interior design including residential design and furniture periods. This course is designed to acquaint individuals with the necessary criteria to evaluate and analyze interior design and furniture styles. Students will focus on the skills used by interior design professionals including the use of architectural tools and symbols, space planning, and client-designer relationships. Career opportunities and work environment will also be discussed.

Course Type	1 st or 2 nd Semester Course	Prerequisite	None
Course Number	H7295	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.

Course Type	Full Year Course	Prerequisite	None
Course Number	H7300	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....

Course Type	Full Year Course	Prerequisite	70%+ Geometry
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.

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

DRAFTING (10, 11, 12) This course is designed for students who are interested in engineering, surveying, design, and trade related careers. Its primary purpose is to allow students to develop an understanding of and an ability to interpret drawings and diagrams that are used throughout the technical world to communicate information. The course is divided into several sections covering a wide variety of learning experiences in the area of technical communication such as; technical sketching, technical geometry, projection drawings, (multi-view, sectional, and auxiliary views), dimensioning, and computer aided drafting.

Course Type	1 st Semester Course	Prerequisite	Industrial Technology OR 70%+ Geometry
Course Number	H7330	Credit	0.5 unit Practical Art

ARCHITECTURAL DRAWING (10, 11, 12) This course is designed for those students who are interested in pursuing a career in the building trades, interior designing, architectural designing, and drafting fields. The intention of this course is to acquaint students with the problems and procedures involved in the planning and construction of residential structures. Topics to be covered include: individual room planning, design concepts, construction techniques, using Auto CAD as an architectural tool, career opportunities, and the interpretation and reading of architectural plans. Each of the above areas will be applied as students design and draw a set of plans for a residential structure.

Course Type	2 nd Semester Course	Prerequisite	70%+ Drafting
Course Number	H7360	Credit	0.5 unit Practical Art

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.

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.

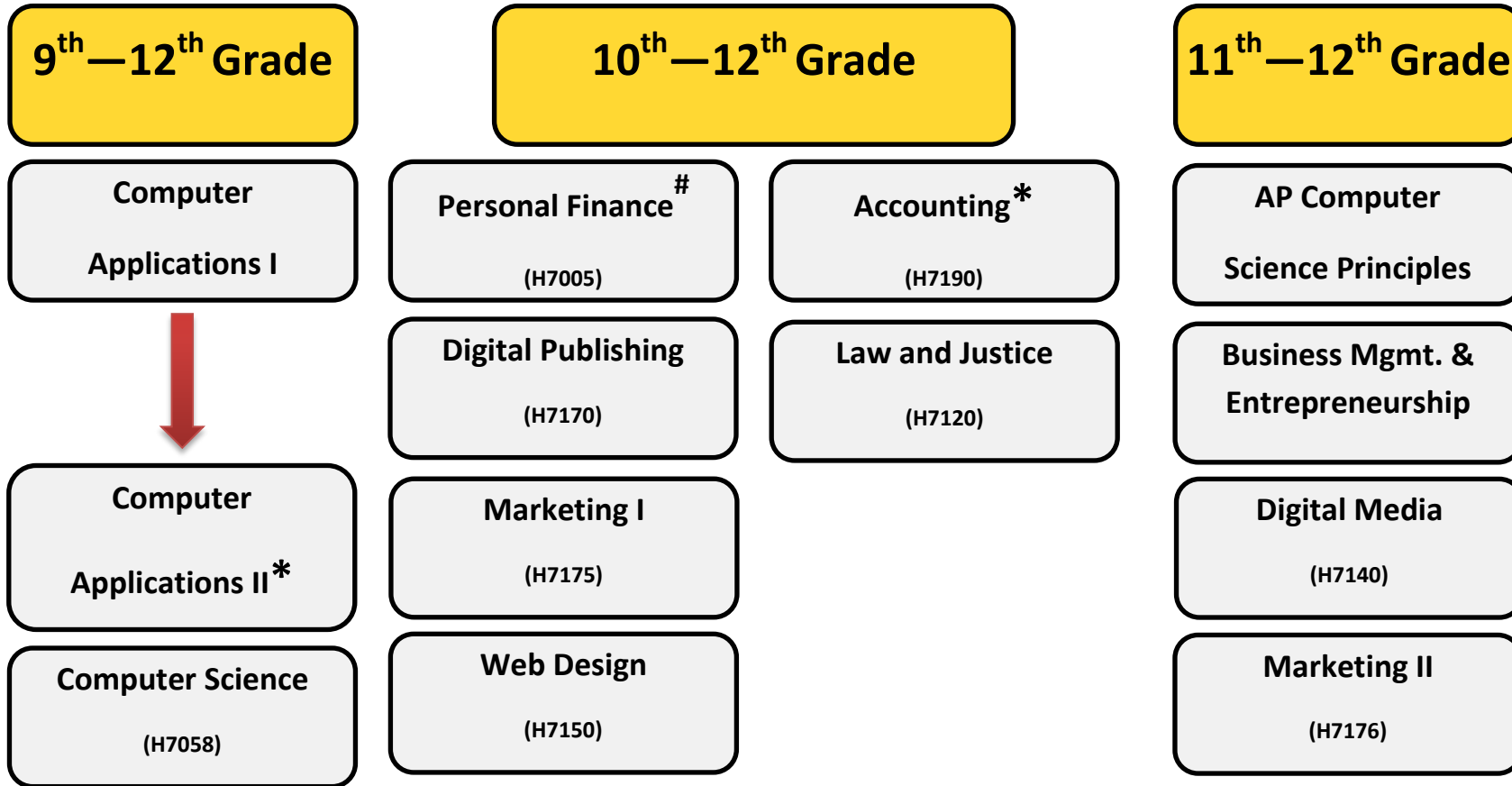
Course Type	2 nd Semester Course	Prerequisite	None
Course Number	H7400	Credit	0.5 unit Practical Art

CARPENTRY (9, 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.

Course Type	Full Year Course	Prerequisite	Industrial Technology & Drafting or co-enrollment of Industrial Technology
Course Number	H7410	Credit	1 unit Practical Art

Business, Marketing, and Information Technology

Sequence of Courses 2018-19



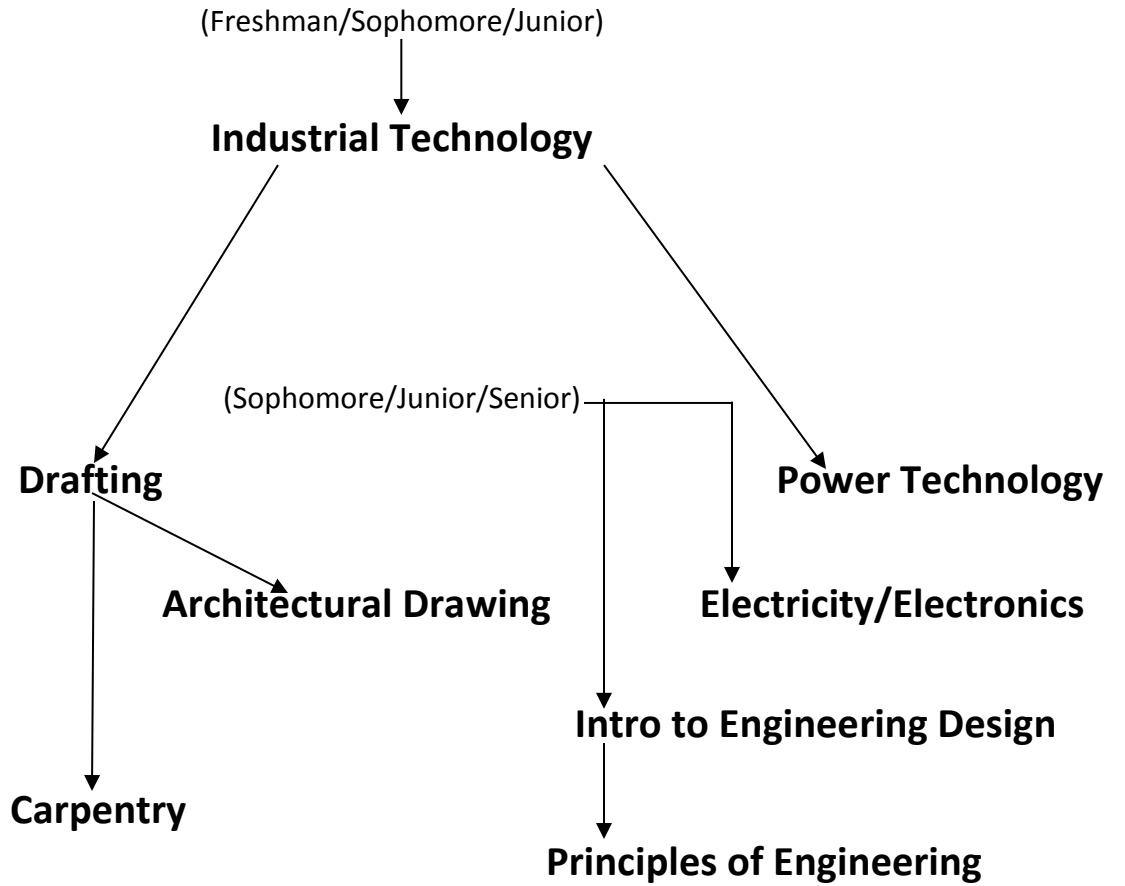
[#] Indicates Dual Credit through Missouri State University is available

*Indicates Advanced Articulated Credit through Jefferson College is available

Industry-recognized certification available for students who earn credits in Business Management, Legal Professional, and Marketing course sequences

Students will exit these courses with an emphasis in Business Management, Computer Science, Finance, Digital Graphics and Video, Marketing, and Web Design

Industrial Technology Flow Chart



Physical Education



FULL YEAR COURSES

Men's Lifetime Physical Education
Women's Lifetime Physical Education
Fitness & Conditioning
Women's Fitness & Conditioning
Aerobic Fitness
Zero Hour Lifting for Sport

SEMESTER COURSES

First Semester
Lifetime Health

Second Semester
Lifetime Health

LIFETIME HEALTH (9) 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.

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

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.

Course Type	1 st or 2 nd Semester Course Or Full Year Course	Prerequisite	None
Course Number	H8070	Credit	0.5 unit Physical Education per semester

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.

Course Type	1 st or 2 nd Semester Course Or Full Year Course	Prerequisite	None
Course Number	H8080	Credit	0.5 unit Physical Education per semester

FITNESS & CONDITIONING (9, 10, 11, 12) This course is designed to improve overall athletic performance. You will receive a high intensity workout. Running and plyometrics 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.

Course Type	Full Year Course	Prerequisite	Lifetime PE
Course Number	H8185	Credit	1 unit Physical Education

WOMEN'S FITNESS & CONDITIONING (9, 10, 11, 12) This course is designed for women interested in improving their personal lives of fitness through walking or aerobic movement. Students will learn how walking or aerobic movement can improve cardiorespiratory fitness, prevent disease, and reduce stress. They will also learn about the relationship between good nutritional habits, health habits and exercise. Students will assess their current fitness levels, create a plan for increasing their fitness, participate in goal setting and reassess fitness levels several times throughout the course. Course may be taken for a semester. Students can be enrolled in no more than two PE classes per semester.

Course Type	Full Year Course	Prerequisite	Lifetime PE
Course Number	H8190	Credit	1 unit Physical Education

AEROBIC FITNESS (9, 10, 11, 12) This course is designed for students interested in improving their personal level of fitness through aerobic movement. Students will learn how aerobic movement can improve cardio-respiratory fitness, prevent disease, and reduce stress. They will also learn about the relationship between good nutritional habits, health habits and exercise. Students will assess their current fitness levels, create a plan for increasing their fitness, participate in goal setting and reassess fitness levels several times throughout the course.

Course Type	Full Year Course	Prerequisite	Lifetime PE
Course Number	H8210	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.

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

Electives



FULL YEAR COURSES

AP Psychology
Leadership & Service
Library Practice
Elementary School Cadet Teaching
Intermediate School Cadet Teaching
Middle School Cadet Teaching
Yearbook Journalism
Office Assistant
Tiger Tech Team

SEMESTER COURSES

First Semester

Films as Literature
Intro To Theater
Public Speaking
ACT Prep
Creative Writing
General Psychology
Introduction To Sociology
World Religions
Military History
Sports and Social Studies
Students As Tutors/Mentors
Transitions I
Transitions II
Transitions III
Yearbook Journalism

Second Semester

Films as Literature
Public Speaking
Advanced Speech & Theater
ACT Prep
Creative Writing
Contemporary Issues
General Psychology
Introduction to Sociology
Sports and Social Studies
Military History
Students As Tutors/Mentors
Transitions I
Transitions II
Transitions III
Yearbook Journalism

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	2 nd Semester Course	Prerequisite	9 th and 10 th grade English
Course Number	H1195	Credit	0.5 unit Elective

INTRO TO THEATER (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 (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 (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	1 st or 2 nd Semester Course	Prerequisite	1.0 unit of ELA credit
Course Number	H1276	Credit	0.5 unit Elective

ACT PREP (10, 11, 12) The ACT Prep course is designed to prepare students for taking the ACT college entrance test. Students review English, mathematics, reading, and science reasoning skills. Students learn and apply strategies to improve ACT scores. During the course, students will take multiple practice tests. Students are also required to take the actual ACT exam during the semester in which they are enrolled. Critical-thinking/problem-solving exercises are also included in this course.

Course Type	1 st or 2 nd Semester Course	Prerequisite	None
Course Number	H1280	Credit	0.5 unit Elective

CONTEMPORARY ISSUES (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 of 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 (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

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.**

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

SPORTS AND SOCIAL STUDIES (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

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. This course is designed to provide students in grades 9-12 the opportunity to develop their leadership potential and essential skills for effective leadership.

Course Type	Full Year Course	Prerequisite	None
Course Number	H9090	Credit	1 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

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) 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 their eighth grade year.

Course Type	1 st or 2 nd Semester Course	Prerequisite	None
Course Number	H9120	Credit	0.5 unit Elective

TRANSITIONS II (10) This course is for those students who had academic difficulty their ninth grade year. Students will have the opportunity to improve organization and study skills as well as receive individual tutoring.

Course Type	1 st or 2 nd Semester Course	Prerequisite	None
Course Number	H9125	Credit	0.5 unit Elective

TRANSITIONS III (11) This course is for those students who had academic difficulty their tenth grade year. Students will have the opportunity to improve organization and study skills as well as receive individual tutoring.

Course Type	1 st or 2 nd Semester Course	Prerequisite	None
Course Number	H9127	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.

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

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.

Course Type	Full Year Course	Prerequisite	Application
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.

Course Type	Full Year Course	Prerequisite	Application
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.

Course Type	Full Year Course	Prerequisite	Application
Course Number	H9148	Credit	1 unit Elective (Pass/Fail class)

YEARBOOK JOURNALISM (9, 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.

Course Type	Semester or Full Year Course	Prerequisite	Instructor Approval
Course Number	H9156	Credit	0.5 or 1 unit Elective

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.

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.

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

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 1st 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)

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.

MOCAP – If you need information about this program, see your counselor.