



FOX C-6 SCHOOL DISTRICT



MISSION STATEMENT

The mission of the Fox C-6 School District is to motivate and inspire success, to build a foundation for life-long learning through achievement, character, and excellence.

COLLEGE & CAREER PLANNING GUIDE

The College & Career Planning Guide contains a tremendous amount of information regarding academic planning for **Fox High School and Seckman High School**, career pathways including suggested courses and post-secondary options, MSHSAA guidelines, NCAA 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.

TABLE OF CONTENTS

A+ Schools Program:	1
Advanced Placement (AP):	1
Athletic/Activities Eligibility:	1
Jeffco C.A.P. Program	1
Jefferson College ATS Course Offerings:	1
South County Technical High School Programs:	2
Career and Technical Educational Certificate:	2
Career Pathways:	2
Dual Credit:	2
Dual Enrollment:	3
Fox C-6 Virtual Academy	3
Flex Program:	3
Grade Point Average (GPA):	3
Grow Your Own:	3
Elective:	3
Prerequisite:	3
Required Course:	3
Transcript:	3
Unit of Credit:	4
Personal Plan of Study:	4
Cum Laude Recognition	4
COURSE MATRIX	5
COURSE DESCRIPTIONS	26

A+ Schools Program:

Fox and Seckman High Schools participate in a grant award program that is committed to improving the education of high school students within the state of Missouri. Beginning in 1994, the A+ Schools Program provided grant awards to Missouri's public school districts that demonstrate a commitment to ensure that the program's goals are met in their high schools.

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: [FHS Advanced, Honors, Pre AP, and AP Courses](#). [SHS Advanced, Honors, Pre AP, and AP Courses](#).

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 two 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. [NCAA Approved Courses](#).

Jeffco C.A.P. Program

Earn an AA degree while in high school. C.A.P. College Acceleration Program is an innovative learning environment designed to inspire and motivate students who have the drive to begin their college journey before they leave high school. The Fox C-6 School District partners with Jefferson College to offer this opportunity to earn an Associate of Arts (AA degree) to our juniors and seniors that qualify their sophomore year. Students graduate with both their high school diploma and their AA degree at the end of their senior year. Qualified sophomore students will be invited to complete the application process through the C.A.P. Committee. Sophomores must also meet Jefferson College enrollment expectations.

CAP INVITATION CRITERIA:

- 3.75 unweighted GPA**
- B or higher in English (LA II)**
- AND**
- B or higher in Math (ALG II)**

Jefferson College ATS Course Offerings:

Students interested in programs offered by Jefferson College **must complete this online application**. Applications will be available 2nd semester and must be submitted online. **Some programs begin as early as 10th grade.** Please note students do not pay for tuition to attend the ATS program, but students are responsible for any course materials that need to be purchased for the program. See your CCR counselor for more details on Jeffco ATS.

South County Technical High School Programs:

Students must apply for these programs at [South Technical Application](#). **Only the programs listed are available to Fox C-6 students.** Applications for other programs will be denied.

STL CAPS Program

The St. Louis Centers for Advanced Professional Studies (STL CAPS) programs are nationally recognized, innovative high school programs. Students fast forward into their future and are fully immersed in a professional culture, solving real world problems, using industry standard tools and are mentored by actual employers, all while receiving high school and may include college credit. CAPS is an example of how business, community and public education can partner to produce personalized learning experiences that educate the workforce of tomorrow, especially in high skill, high demand jobs.

Career and Technical Educational Certificate:

Technical Skills Attainment (TSA) and MSIP 6 Industry Recognized Credentials (IRC's) is a portable, recognized credential that validates an individual has successfully demonstrated skill competencies in a core set of content and performance standards in a specific set of work-related tasks, single occupational area, or a cluster of related occupational areas. A student does not have to be a concentrator to take an IRC. IRC are intended for use with secondary students and school districts interested in addressing MSIP 6. Students interested in earning the Career and Technical Education (CTE) Certificate must pass either a TSA or IRC. **See course descriptions below for more information.**

DECA: ASK: Fundamental Marketing Concepts
 SBE: Fundamental Business Concepts
 CCE: ASK: Fundamental Business Concepts
 FACS ECE: AAFCS-Early Childhood Education
 FACS Cadet Teaching: AAFCS-Education Fundamentals

Career Pathways:

Missouri has identified six Career Paths as a way to help students become aware of and explore careers in a logical and meaningful way.

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. Fox School District partners with Jefferson College, University of Missouri – St. Louis, Missouri State University, and Missouri Baptist 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.

Fox C-6 Virtual Academy

The Fox C-6 School District believes that in-person learning is best for most students. When virtual learning is determined as the best path for a student, the Fox C-6 Virtual Academy is provided. This is an asynchronous program using the Canvas platform.

Flex Program:

The Fox C6 School District is excited to offer our **seniors** the opportunity to take part in the new **Fox C6 School Flex Program** during their **senior year**. The School Flex Program allows us to offer an alternative delivery system for students who have been identified by their school principal or counselor as potentially benefiting from a different education program to pursue a timely graduation. ***The Fox C6 School Flex Program*** allows senior level students to take classes for a minimum of 2 hours each day, earn the credit needed for graduation, and then leave campus to pursue their Individual Career and/or Academic Plan for post high school.

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 on a 4-point scale. A = 4 points; B = 3 points; C = 2 points; D = 1 point; F = 0 points. Weighted courses' letter grades will be given an additional point added to the above mentioned values. *Exception: An F would still be 0 points with weighted courses.*

Grow Your Own:

As teachers are the number one school-related factor in the success of students, it is imperative that students in our community have access to high quality teachers, regardless of where they attend school. Because of this Grow Your Own (GYO) program it allows the district to provide a pipeline of new teachers for the students in our local community. **BASED ON GRANT FUNDING-(grant ends June 30, 2024, however, Jefferson College will still offer Grow your own classes. Students may still apply to GYO with their high school counselor, but students/parents/guardians are responsible for tuition costs after the grant ends.**

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.

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 Fox High School for graduation.

Transcript:

A transcript is an official record of a student's semester grades. The school must have verbal or written permission of the student or the student's 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.

Virtual Education: Missouri Course Access Program**Personal Plan of Study:**

Middle School & High school students will be filling out their ICAP (Individual Career Academic Plan) along with their counselors.

GRADUATION REQUIREMENTS

<u>SUBJECT</u>	<u>UNITS</u>	<u>REQUIRED</u>
Language Arts	4	
Social Studies	3	American Government or AP US Gov. & Politics
Mathematics	3	Algebra I or Honors Algebra I (<i>8th grade</i>)
Science	3	Biology or AP Biology
Fine Arts	1	
Art		
Performing Arts		
Practical Arts	1	
Business Education		
Industrial Technology		
Family & Consumer Science		
Project Lead The Way		
Physical Ed.	1	
Health	.5	Health
Personal Finance	.5	Personal Finance
Electives	7.5	
World Language		
Other courses		
Total	24.5	

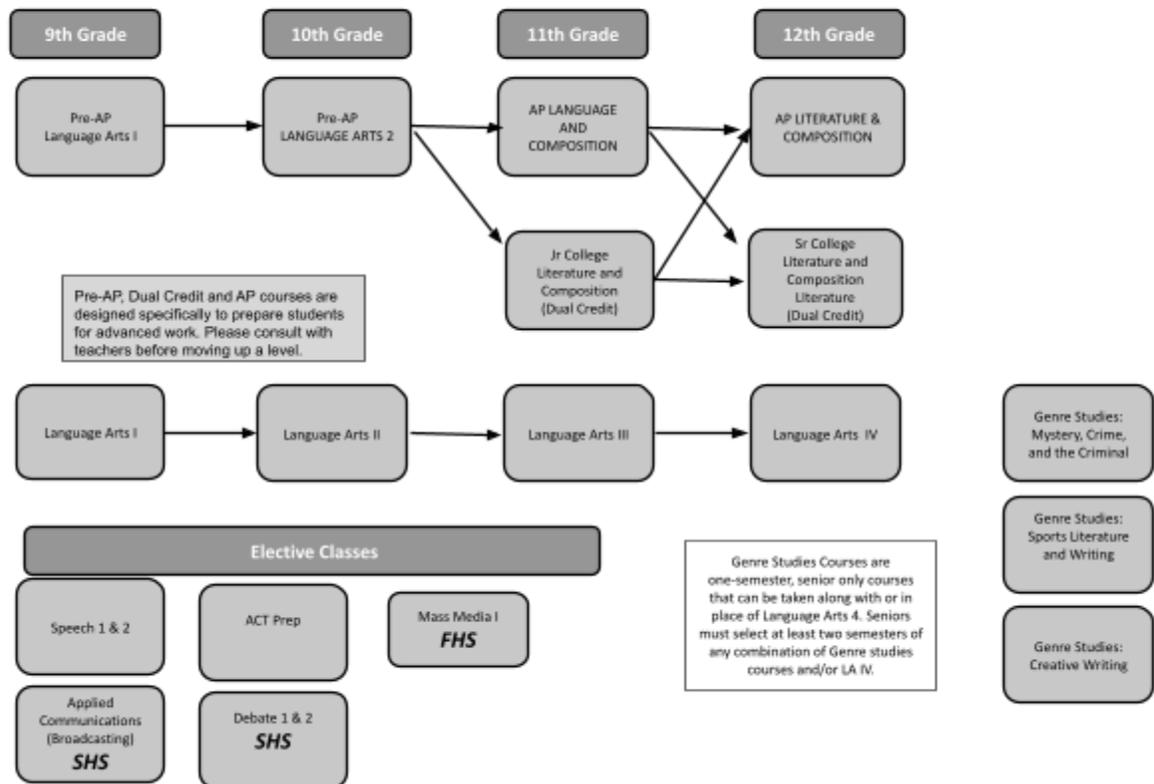
Graduation from high school requires, in most cases, four years of attendance and study in grades nine through twelve. Although it is possible for a pupil to acquire the MINIMUM number of credits required for graduation in less than four years, it should be recognized that a high school education involves more than the accumulation of credits. Mental, physical, and social growth is accomplished through a thoughtfully planned and well-organized program of study and activity.

Cum Laude RecognitionPower of 15**COURSE MATRIX****Language Arts- 4 credits required**

Subject	Course #	Credit/ Semester	Grade	School	Elective	Pre- Req	Weighted	DC	AP	NCAA approved
Language Arts I	LA0002	0.5	9	FHS SHS						✓
Pre-AP Language Arts I	LA0001	0.5	9	FHS SHS		✓	✓			✓
Language Arts II	LA0131	0.5	10	FHS SHS		✓				✓
Pre-AP Language Arts II	LA0105	0.5	10	FHS SHS		✓	✓			✓
Language Arts III	LA0271	0.5	11	FHS SHS		✓				✓
DC -Junior College Literature & Composition	LA0336	0.5	11	FHS SHS		✓		✓		✓
AP Language & Composition	LA0325	0.5	11	FHS SHS		✓	✓		✓	✓
Language Arts IV	LA0101	0.5	12	FHS SHS		✓				✓
DC-Senior College Literature & Composition	LA0435	0.5	12	FHS SHS		✓		✓		✓
AP Literature & Composition	LA0305	0.5	12	FHS SHS		✓	✓		✓	✓
Genre Studies: Sports Lit & Writing	LA0440	0.5	12	FHS SHS	✓	✓				✓
Genre Studies: Mystery, Crime, and the Criminal	LA0441	0.5	12	FHS SHS	✓	✓				✓
Genre Studies: Dual Credit Creative Writing	LA0103	0.5	12	FHS SHS	✓	✓		✓-SH S		
Broadcasting/Applied Communications	SP0151	0.5	10-12	SHS		✓				

Mass Media I (Yearbook)	LA0141	0.5	9-12	FHS	✓	✓				
ACT Prep	ACT100	0.5	10-12	FHS SHS	✓	✓	✓			
Speech I	SP0161	0.5	9-12	FHS SHS	✓					✓
Speech II	SP0171	0.5	9-12	FHS SHS	✓	✓				✓
Debate I (fall)	SP0181	0.5	10-12	SHS	✓					
Debate II (spring)	SP0191	0.5	10-12	SHS	✓					

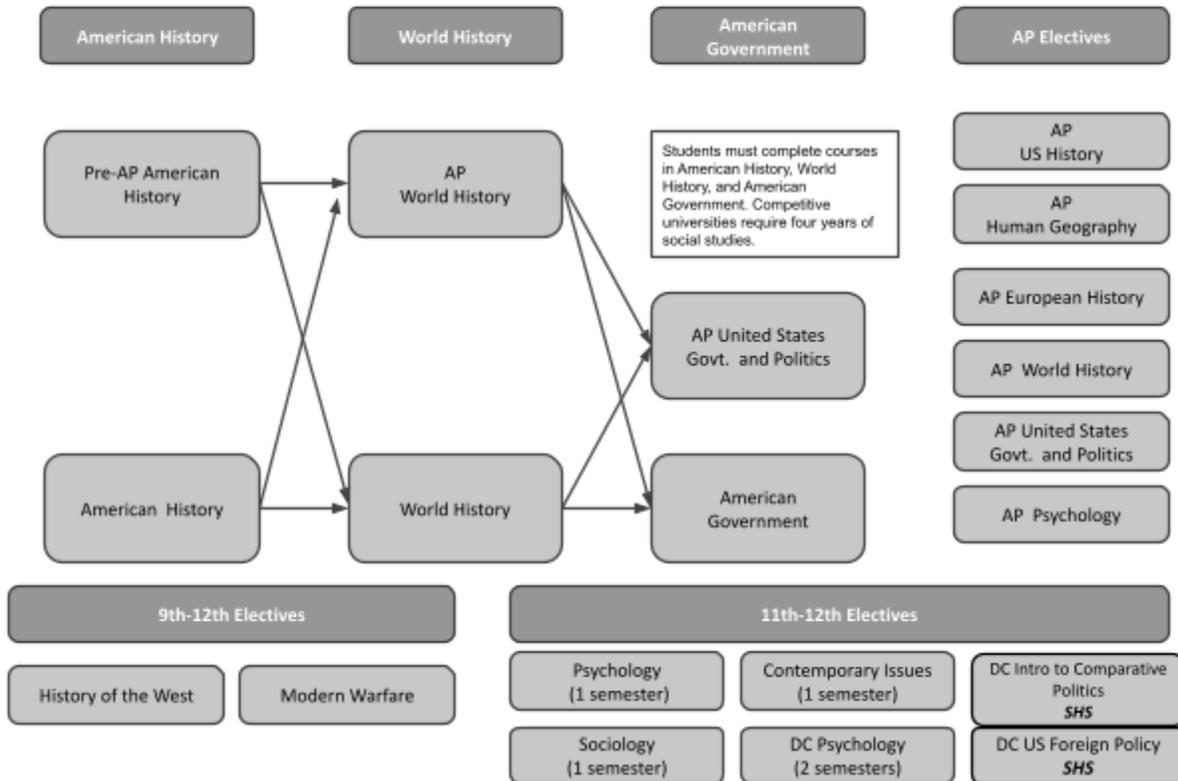
ELA Course Sequence 2024-2025



Social Studies- 3 credits required

Subject	Course #	Cred it/ Sem ester	Grade	School	Elective	Pre - Req	Weighted	DC	AP	NCAA approved
American History	SS0160	0.5	9	FHS SHS						✓
Pre-AP American History	SS0010	0.5	9	FHS SHS		✓	✓			✓
World History	SS0002	0.5	10	FHS SHS						✓
AP Human Geography	SS0303	0.5	9-12	FHS SHS	✓		✓		✓	✓
American Government	SS0151	0.5	11	FHS SHS						✓
History of the American West	SS0131	0.5	9-12	FHS	✓					✓
History of Modern Warfare	SS0121	0.5	9-12	FHS SHS	✓					✓
Contemporary Issues	SS0111	0.5	9-12	FHS SHS	✓					✓
Psychology	SS0191	0.5	11-12	FHS SHS	✓					✓
Sociology	SS0181	0.5	11-12	FHS SHS	✓					✓
DC Intro to Comparative Politics	SS0141	0.5	12	SHS	✓		✓	✓	✓	✓
DC US Foreign Policy	SS0142	0.5	12	SHS	✓		✓	✓	✓	✓
AP World History	SS1001	0.5	10-12	FHS SHS		✓	✓		✓	✓
AP American History	SS0305	0.5	11-12	FHS SHS	✓	✓	✓		✓	✓
AP European History	SS0306	0.5	10-12	FHS SHS	✓	✓	✓		✓	✓
AP United States Government & Politics	SS0156	0.5	11	FHS SHS	✓	✓	✓		✓	✓
DC - Psychology	SS0200	0.5	11-12	FHS	✓	✓		✓		✓
AP Psychology	SS0195	0.5	11-12	FHS SHS	✓	✓	✓		✓	✓

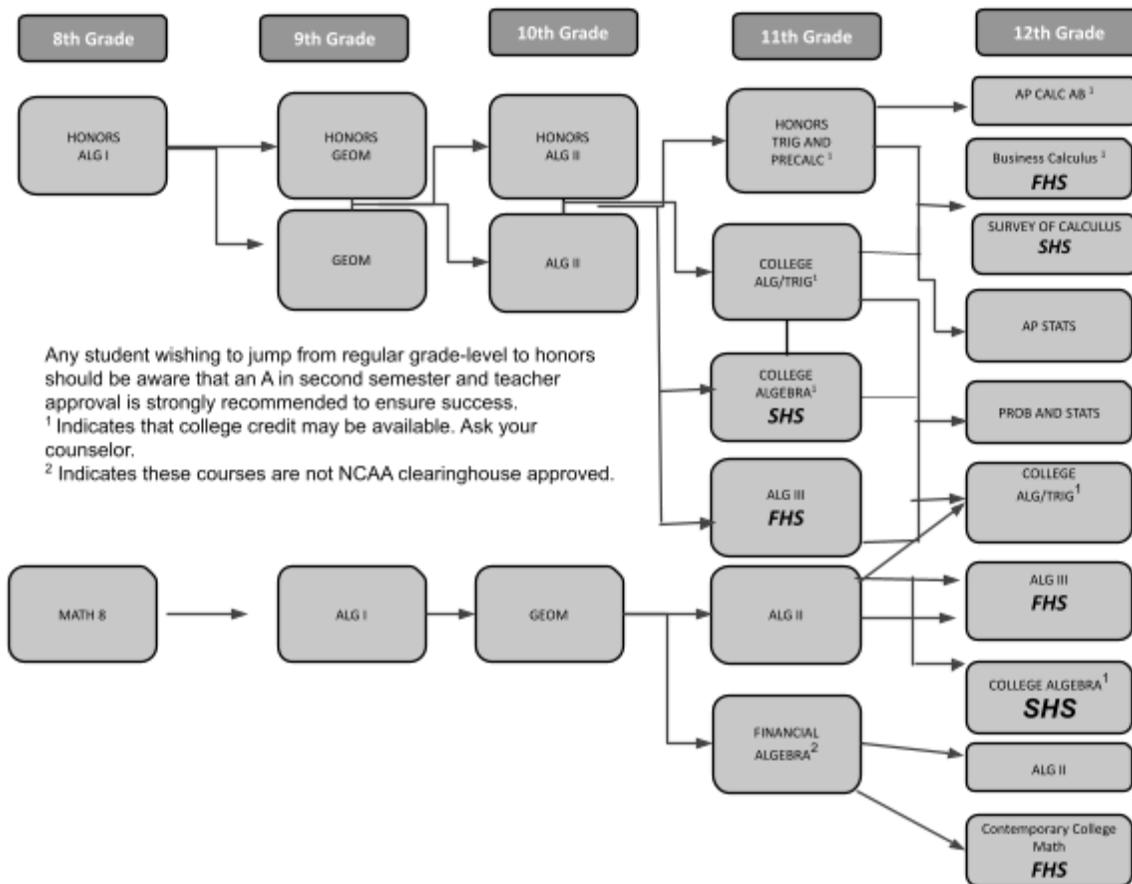
Social Studies Course Sequence 2024-25



Mathematics- 3 credits required

Subject	Course #	Credit / Semester	Grade	School	Elective	Pre-Req	Weighted	DC	AP	NCAA approved
Algebra I	MA0002	0.5	9	FHS SHS						✓
Honors Geometry	MA0001	0.5	9	FHS SHS		✓	✓			✓
Geometry	MA0141	0.5	9-10	FHS SHS		✓				✓
Honors Algebra II	MA0315	0.5	10	FHS SHS		✓	✓			✓
Algebra II	MA0105	0.5	10-12	FHS SHS		✓				✓
Financial Algebra	MA0350	0.5	11-12	FHS SHS		✓				
Contemporary College Math	MA0172	0.5	12	FHS		✓		✓		✓
College Algebra	MA0173	0.5	11-12	SHS		✓		✓		✓
Algebra III	MA0106	0.5	11-12	FHS		✓				✓
College Algebra/Trigonometry	MA0171	0.5	11-12	FHS SHS		✓		✓		✓
Honors Trigonometry/Pre-Calculus	MA0375	0.5	11	FHS SHS		✓	✓	✓		✓
Probability and Statistics	MA0191	0.5	12	FHS SHS		✓		✓		✓
AP Statistics	MA0325	0.5	12	FHS SHS		✓	✓	✓ (SHS)	✓	✓
Survey of Calculus	MA0181	0.5	12	SHS		✓				
Business Calculus	MA0182	0.5	12	FHS		✓		✓		✓
AP Calculus AB	MA0305	0.5	12	FHS SHS		✓	✓	✓	✓	✓

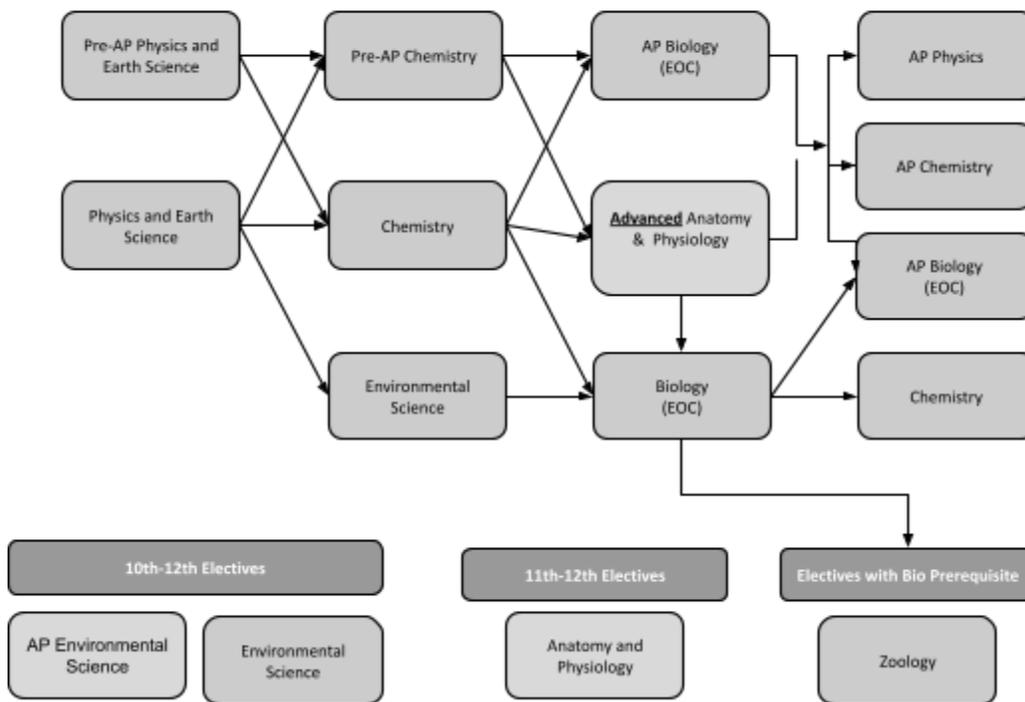
Math Course Sequence 2024-2025



Science- 3 credits required

Subject	Course #	Credit / Semester	Grade	School	Elective	Pre-Req	Weighed	DC	AP	NCAA approved
Physics & the Earth	SC0002	0.5	9	FHS SHS						✓
Pre-AP Physics & the Earth	SC0001	0.5	9	FHS SHS		✓	✓			✓
Chemistry	SC0161	0.5	10-12	FHS SHS		✓				✓
Pre-AP Chemistry	SC0165	0.5	10-12	FHS SHS		✓	✓			✓
Environmental Science	SC0152	0.5	10-12	FHS SHS	✓					✓
Biology	SC0141	0.5	11-12	FHS SHS		✓				✓
DC-AP Biology	SC0305	0.5	11-12	FHS SHS		✓	✓	✓	✓	✓
AP Environmental Science	SC0153	0.5	10-12	FHS SHS	✓	✓	✓		✓	✓
Anatomy & Physiology	SC0211	0.5	11-12	FHS SHS	✓	✓				✓
Advanced Anatomy & Physiology	SC0215	0.5	11-12	FHS SHS		✓	✓			✓
AP Chemistry	SC0175	0.5	11-12	FHS SHS		✓	✓		✓	✓
AP Physics	SC0181	0.5	11-12	FHS SHS		✓	✓		✓	✓
Zoology	SC0201	0.5	11-12	FHS SHS	✓	✓				✓

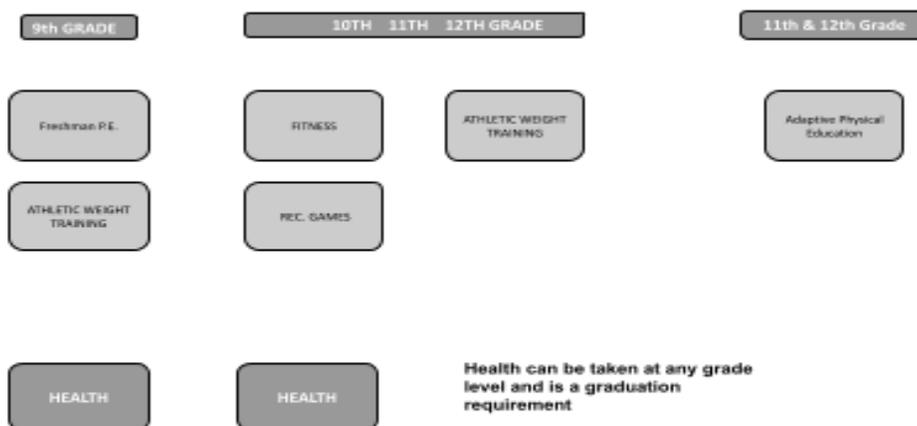
Science Course Sequence 2024-2025



Physical Ed. - 1 credits required

Subject	Course #	Credit / Semester	Grade	School	Elective	Pre-Req	Weighed	DC	AP	NCAA approved
Athletic Weight Training	PE0611	0.5	9-12	FHS SHS	✓					
Fitness	PE0131	0.5	10-12	FHS SHS	✓					
Freshman P.E.	PE0111	0.5	9	FHS SHS	✓					
Recreational Games	PE0151	0.5	10-12	FHS SHS	✓					
Adaptive Physical Education	PE1001-Adaptive PE PT1001-Peer Tutoring CT1002-Cadet Teaching PE	0.5 0 0.5	9-12 12 12	FHS SHS	✓					

**Physical Education Course Sequence
2024-2025**



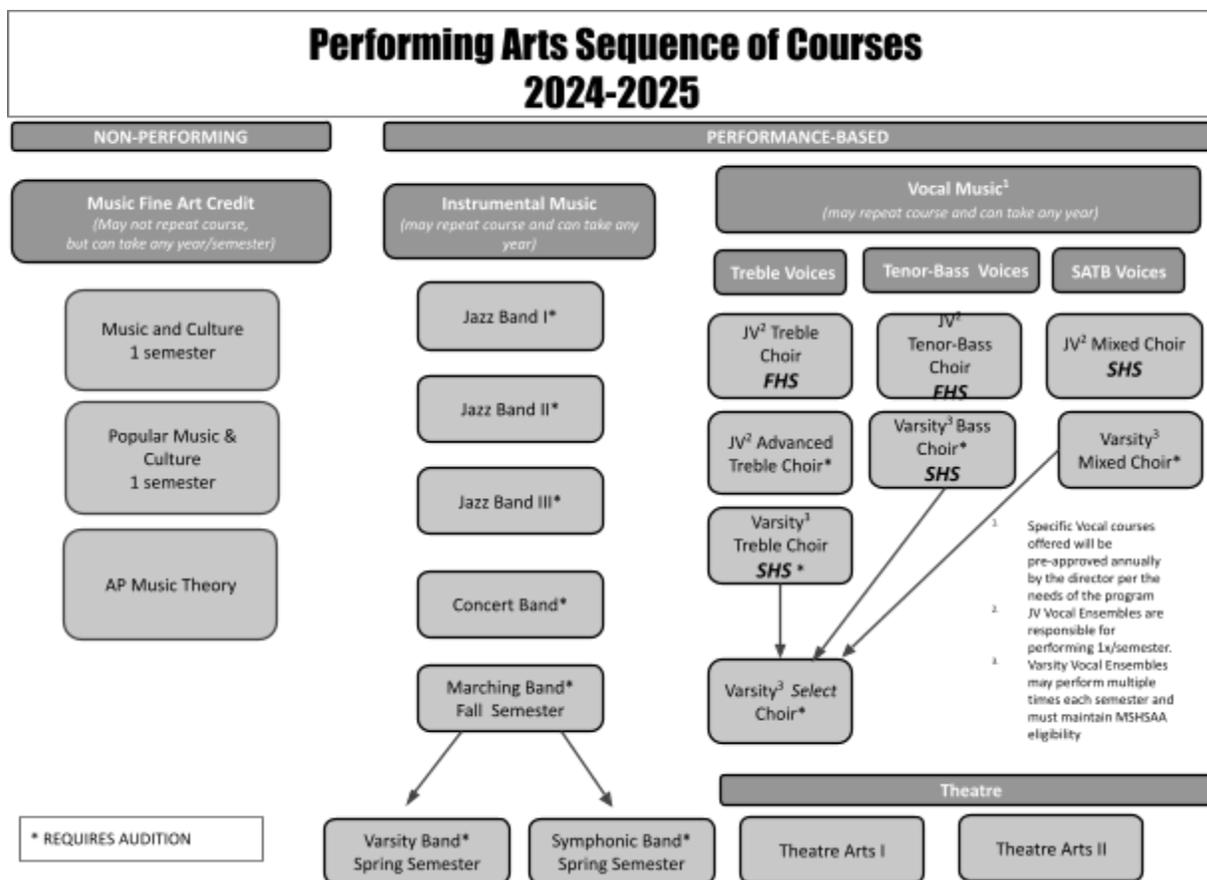
Health - .5 credits required

Subject	Course #	Credit/ Semester	Grade	School	Pre-Req	Weighted	DC	AP	NCAA approved
Health & Family Education	HL0101-3	0.5	9-12	FHS SHS					

(See Physical Education flow chart)

Performing Arts - (Fine Art)

Subject	Course #	Credit/ Sem.	Grade	School	Elective	Pre- Req	Weighed	DC	AP	NCAA approved
AP Music Theory	MU0103	0.5	11-12	FHS SHS	✓	✓	✓		✓	
Popular Music & Culture	MU0104	0.5	9-12	FHS SHS	✓					
Music & Culture	MU0102	0.5	9-12	FHS SHS	✓					
Marching Band	MU1221	0.5	9-12	FHS SHS	✓	✓				
Symphonic Band	MU2221	0.5	9-12	FHS SHS	✓	✓				
Concert Band	MU0231	0.5	9-12	FHS SHS	✓	✓				
Jazz Band I	MU0230	0.5	9-12	FHS SHS	✓	✓				
Jazz Band II	MU0191	0.5	9-12	FHS SHS	✓	✓				
Jazz Band III	MU0241	0.5	9-12	FHS SHS	✓	✓				
JV Tenor-Bass Choir	MU0152	0.5	9-12	FHS	✓					
JV Mixed Choir	MU0122	0.5	9-12	SHS	✓					
JV Advanced Treble Choir	MU0163	0.5	9-12	FHS SHS	✓	✓				
Varsity Treble Choir	MU0182	0.5	9-12	FHS SHS	✓	✓				
Varsity Bass Choir	MU0142	0.5	9-12	SHS	✓	✓				
Varsity Mixed Choir	MU0112	0.5	9-12	FHS SHS	✓	✓				
Varsity Select Choir	MU0132	0.5	9-12	FHS SHS	✓	✓				
Theater Arts I	SP0101	0.5	9-12	FHS SHS	✓					
Theater Arts II	SP0121	0.5	9-12	FHS SHS	✓	✓				



* REQUIRES AUDITION

¹ Specific Vocal courses offered will be pre-approved annually by the director per the needs of the program

² JV Vocal Ensembles are responsible for performing 1x/semester.

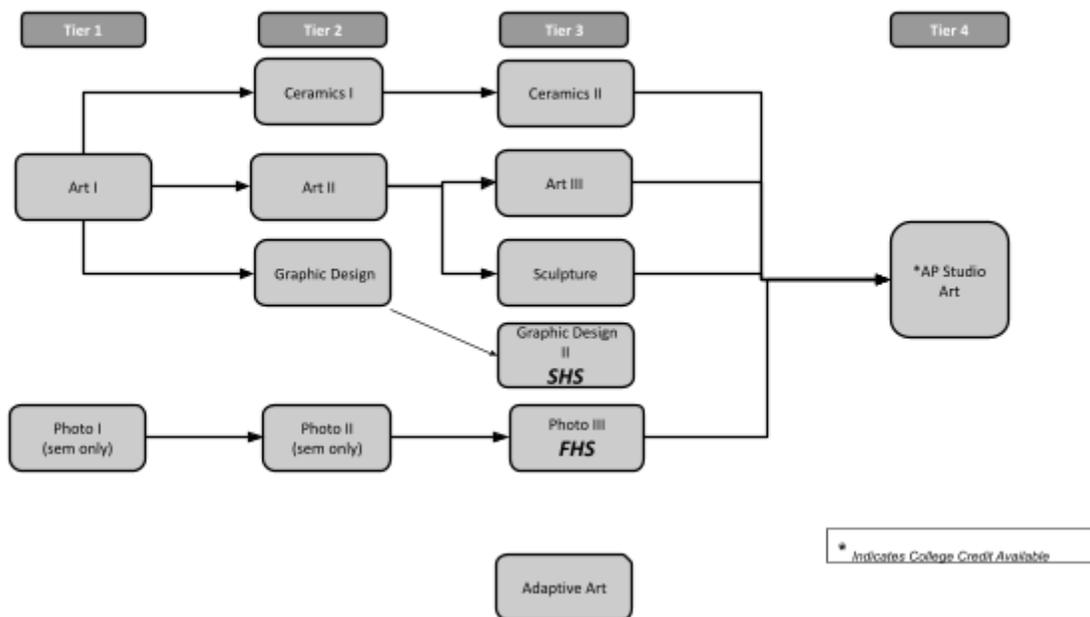
³ Varsity Vocal Ensembles may perform multiple times each semester and must maintain MSHSAA eligibility

Art (Fine Arts)

Subject	Course #	Credit / Semester	Grade	School	Elective	Pre - Req	Weighed	DC	AP	NCAA approved
Art I	AR0001	0.5	9-12	FHS SHS	✓					
Art II	AR0002	0.5	10-12	FHS SHS	✓	✓				
Ceramics	AR0131	0.5	10-12	FHS SHS	✓	✓				
Photography I	AR0201	0.5	10-12	FHS SHS	✓	✓				
Photography II	AR0221	0.5	10-12	FHS SHS	✓	✓				

Graphic Design I	AR0191	0.5	10-12	FHS SHS	✓	✓				
Art III	AR0003	0.5	11-12	FHS SHS	✓	✓				
Ceramics II	AR0232	0.5	11-12	FHS SHS	✓	✓				
Photo III	AR0341	0.5	11-12	FHS	✓	✓				
Sculpture	AR0181	0.5	11-12	FHS SHS	✓	✓				
Graphic Design II	AR0192	0.5	11-12	SHS	✓	✓				
AP Studio Art	AR0005	0.5	12	FHS SHS	✓		✓		✓	
Adaptive Art	AR1001 PT1001 CT1003	0.5 0 0.5	9-12 12 12	FHS SHS	✓	✓				

Art Course Sequence 2024-25



Business Education (Practical Arts)

Subject	Course #	Credit / Semester	Grade	School	Elective	Pre-Req	Weighted	DC	AP	NCAA approved
Accounting I	BM0111	0.5	9-12	FHS SHS	✓					
Accounting II	BM0121	0.5	10-12	FHS SHS	✓	✓				
Business & Personal Law	BM0142	0.5	10-12	FHS SHS	✓					
Career Exploration/Entrepreneurship	HE0191	0.5	9-12	FHS SHS	✓					
Finance 150 DC Personal Finance	BM0251	0.5	10-12	FHS SHS		✓	✓	✓		
Business Management & Entrepreneurship	BM0131	0.5	9-12	FHS SHS	✓					
Graphic Art/Desktop Pub. (Yearbook)	BM0160	0.5	10-12	SHS		✓				
Computer Applications	BM0911	0.5	9-12	FHS SHS						
Computer Applications II	BM0921	0.5	9-12	FHS SHS		✓				
Multimedia	BM0191	0.5	9-12	FHS SHS						
AP Economics	BM0305	0.5	11-12	FHS SHS			✓	✓	✓	
Business Media & Skills I	BM0161	0.5	11-12	FHS SHS		✓				
Business Media & Skills II (Capstone)	BM0171	0.5	12	FHS SHS		✓	✓			
Supervised Business Experience (SBE)	WT0591 WT0781	0.5 1.0	11-12	FHS SHS		✓				
Cooperative Career Education (CCE)	WT0391 WT0551	0.5 1.0	12	FHS SHS		✓				
Marketing I	WT0111	0.5	11-12	FHS SHS		✓				
DC Marketing II	WT0132	0.5	12	FHS		✓	✓		✓	

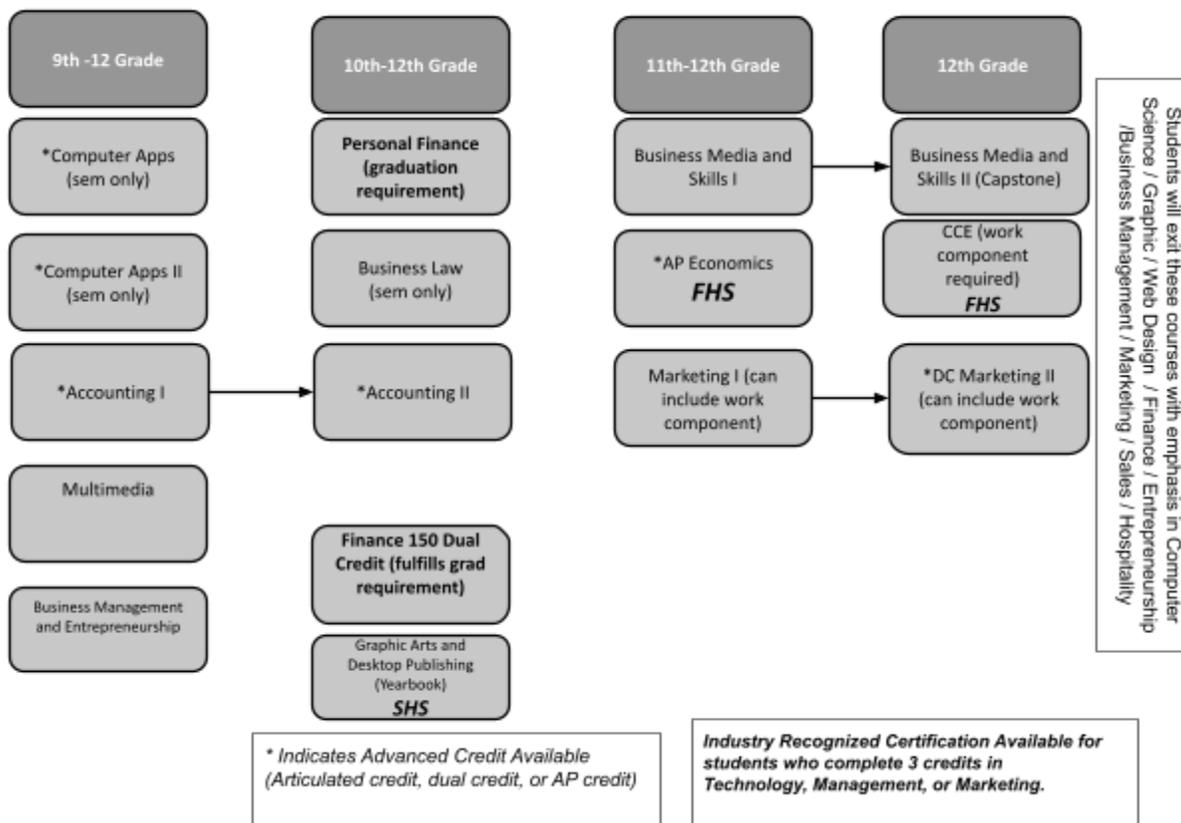
				SHS					
Marketing Internship	WT0191 WT0151	0.5 1.0	12	FHS SHS		✓			

Personal Finance - .5 credits required

Subject	Course #	Credit/Semester	Grade	School	Pre-Req	Weighed	DC	AP	NCAA approved
Personal Finance	BM0151	0.5	10-12	FHS SHS					

(See Business Education flow chart)

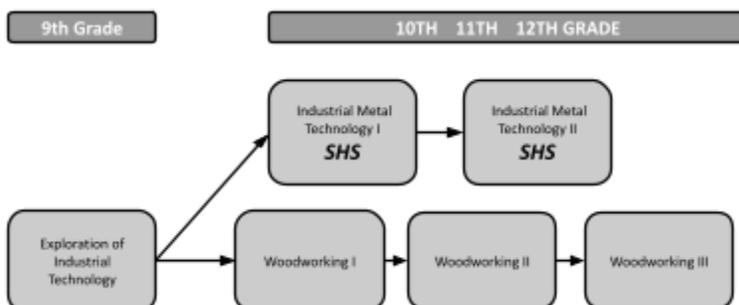
Business Course Sequence 2024-25



Industrial Technology (Practical Arts)

Subject	Course #	Credit / Semester	Grade	School	Elective	Pre-Req	Weighed	DC	AP	NCAA approved
Exploration of Industrial Technology	IA0922	0.5	9-12	FHS SHS						
Woodworking I	IA0121	0.5	10-12	FHS SHS		✓				
Woodworking II	IA0141	0.5	11-12	FHS SHS		✓				
Woodworking III	IA0161	0.5	12	FHS SHS		✓				
Industrial Metals Tech I	IA0181	0.5	10-12	SHS		✓				
Industrial Metals Tech II	IA0182	0.5	10-12	SHS		✓				

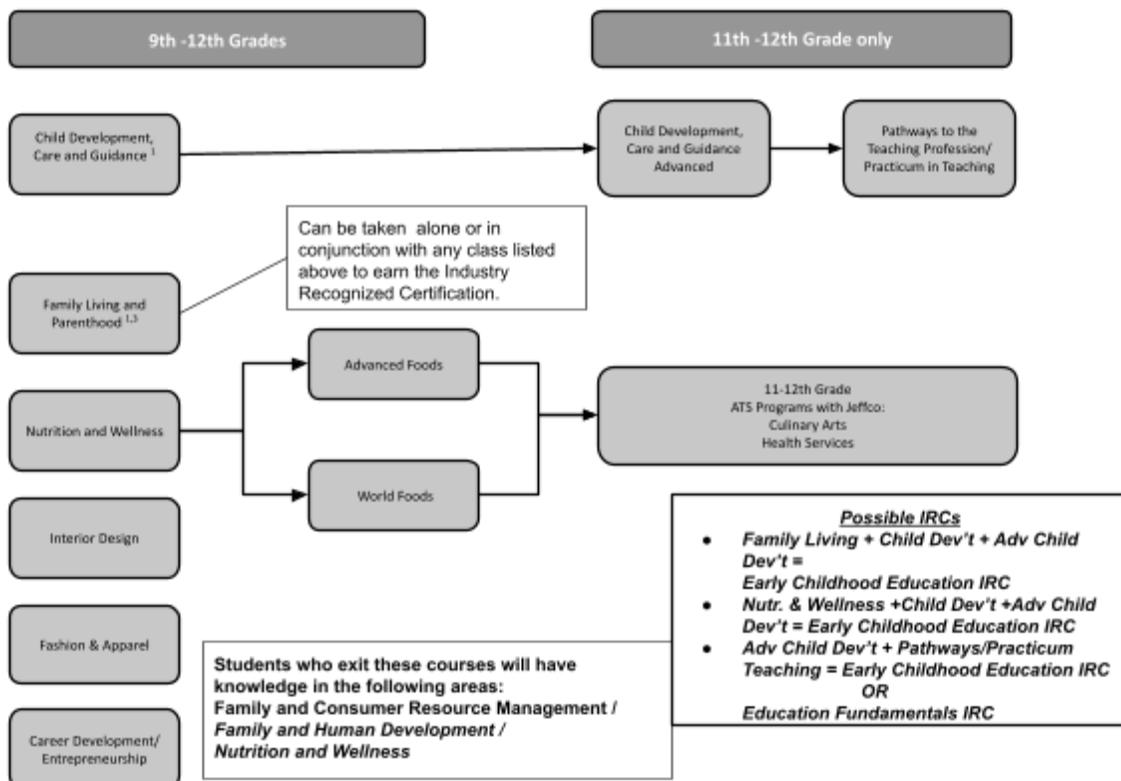
Industrial Technology Course Sequence 2024-25



Family & Consumer Science (Practical Arts)

Subject	Course #	Credit / Semester	Grade	School	Elective	Pre - Req	Weighed	DC	AP	NCAA approved
Fashion & Apparel	HE0141	0.5	9-12	FHS SHS						
Career Exploration/Entrepreneurship	HE0191	0.5	9-12	FHS SHS						
Interior Design	HE0181	0.5	9-12	FHS SHS						
Family Living & Parenthood	HE0171	0.5	9-12	FHS SHS						
Child Development, Care & Guidance	HE0101	0.5	9-12	FHS SHS						
Child Development, Care & Guidance, Advanced	HE0222	0.5	11-12	FHS SHS		✓				
Pathways to the Teaching Profession/Practicum	HE0232 HE0242	0.5	12	FHS SHS		✓		✓		
Nutrition & Wellness	HE0161	0.5	9-12	FHS SHS						
Advanced Foods	HE0211	0.5	9-12	FHS SHS		✓				
World Foods	HE0261	0.5	9-12	FHS SHS		✓				
Adaptive Nutrition & Wellness	HE1002 PT1001 CT1005	0.5 0 0.5	9-12 12 12	FHS SHS		✓				

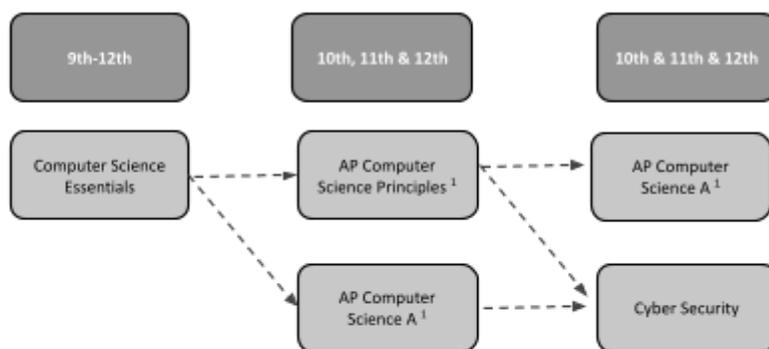
FACS Course Sequence 2024-25



Project Lead The Way (Practical Arts)

Subject	Course #	Credit / Semester	Grade	School	Elective	Pre-Req	Weighed	DC	AP	NCAA approved
Computer Science Essentials	PLTW70	0.5	9-12	FHS SHS			✓			✓
AP Computer Science Principles	PLTW03	0.5	10-12	FHS SHS		✓	✓		✓	✓
AP Computer Science A	PLTW30	0.5	10-12	FHS SHS		✓	✓		✓	✓
Cyber Security	PLTW	0.5	10-12	FHS SHS		✓	✓			
Introduction to Engineering Design	PLTW10	0.5	9-12	FHS SHS			✓			✓
Principles of Engineering	PLTW20	0.5	10-12	FHS SHS		✓	✓			✓
Civil Engineering & Architecture	PLTW40	0.5	11-12	FHS SHS		✓	✓			
Aerospace Engineering(24-25)	PLTW	0.5	10-12	FHS SHS		✓	✓			

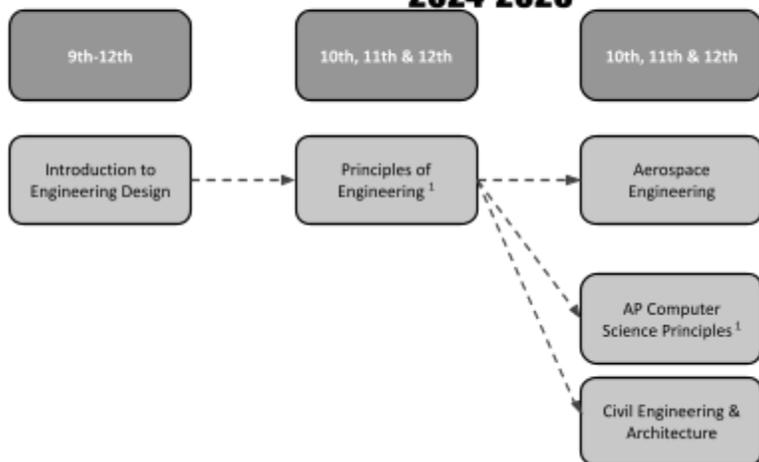
Project Lead the Way Computer Science Course Sequence 2024-2025



¹ Indicates College Credit Available

-----> Recommended Sequence

Project Lead the Way Engineering Course Sequence 2024-2025



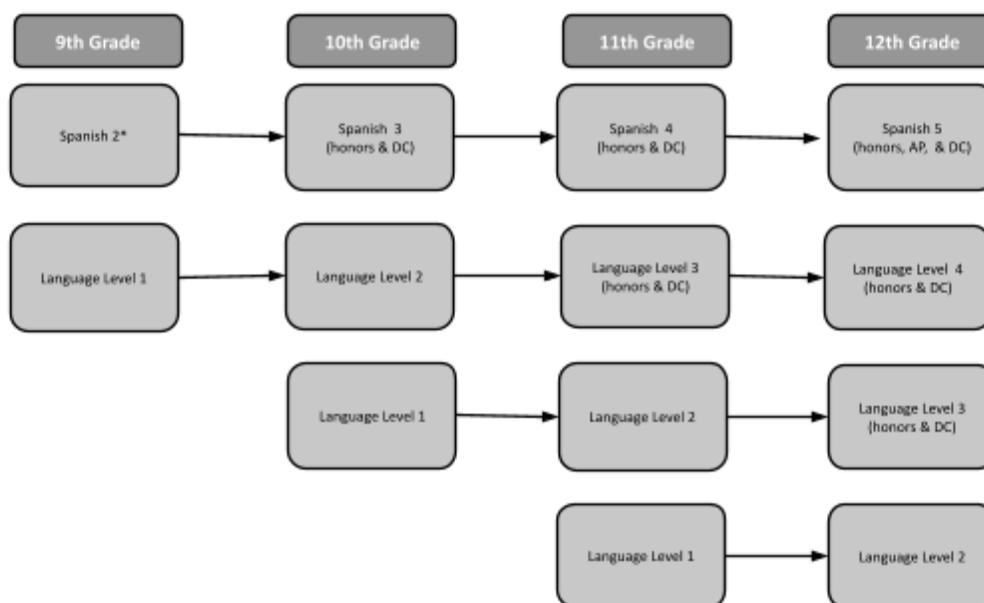
¹ Indicates College Credit Available

-----> Recommended Sequence

World Languages (Elective)

Subject	Course #	Credit/Semester	Grade	School	Elective	Pre-Req	Weighted	DC	AP	NCAA approved
French I	FR0101	0.5	9-12	FHS SHS						✓
French II	FR0111	0.5	10-12	FHS SHS		✓				✓
French III	FR0205	0.5	11-12	FHS SHS		✓	✓	✓		✓
French IV	FR0305	0.5	12	FHS SHS		✓	✓	✓		✓
German I	GN0101	0.5	9-12	FHS SHS						✓
German II	GN0111	0.5	10-12	FHS SHS		✓				✓
German III	GN0205	0.5	11-12	FHS SHS		✓	✓			✓
German IV	GN0305	0.5	12	FHS SHS		✓	✓			✓
Spanish I	SN0101	0.5	9-12	FHS SHS						✓
Spanish II	SN0111	0.5	9-12	FHS SHS		✓				✓
Spanish III	SN0205	0.5	10-12	FHS SHS		✓	✓	✓		✓
Spanish IV	SN0305	0.5	11-12	FHS SHS		✓	✓	✓		✓
Spanish V	SN0405	0.5	12	FHS SHS		✓	✓	✓		✓

WORLD LANGUAGES 2024-25 Course Sequence



Please note that foreign language is not required for high school graduation. However, many universities require 2 years of high school foreign language.

*Upon successful completion of Language level 1A in 7th grade & Language level 1B in 8th grade, students will be ready to take Language 2 as a Freshman.
DC-Optional dual credit available for a fee through UMSL

COURSE DESCRIPTIONS

English Language Arts

Language Arts I

2 Semesters

Grade 9, Required

FHS/SHS

This is a year-long course that addresses various aspects of the language arts. Students will study various genres of literature which will allow them to study authors, the elements of fiction and nonfiction, vocabulary and various aspects of human nature and history while discovering or inventing their own writing styles through text analysis. Students will be exploring literature such as short stories, poetry, classic literature, contemporary literature, and plays. The course will also contain a unit on the research process, note taking, organizing an outline and writing a rough draft with parenthetical citations. Sentence structure and composition, review agreement, parts of speech, mechanics and usage as needed will also be covered. [Return to Previous Page](#)

Pre-AP Language Arts I

2 Semesters, Weighted Grade Point

Grade 9

FHS/SHS

Prerequisite: Advanced 8th Grade Language Arts with a grade of "C" or above or written approval of instructor

This year-long course is designed for the advanced student or the student willing to challenge himself/herself and who enjoys reading and writing. A basic understanding of the fundamentals of English grammar, usage and mechanics is reviewed and required for the course. Students will explore world literature through a variety of literary genres and will engage in verbal and written discussions. Students will examine the differing perspectives of the authors and write reflections on and literary analysis of the literature that they read. Students will share their opinions, both formally and informally, via class discussion and Socratic Seminar methods, construct and improve written communications, and engage in lessons that will assist them in developing study, speaking, listening, and critical thinking skills. Students will become more proficient at research techniques and sentence analysis. Rigor is built into the course's reading and writing assignments. [Return to Previous Page](#)

Language Arts II

2 Semesters

Grade 10, Required

FHS/SHS

Prerequisite: Language Arts I

This year-long course is designed to provide the students with a common foundation of world literature and composition. They will learn to read, understand, discuss, write about and appreciate literature, including short stories, novels, poetry, drama and nonfiction. Also, students will study and practice the essentials of written communication through various paragraphs and essays with a focus on further developing the students' fundamentals of grammar, usage, mechanics, vocabulary, and argumentation. This course will prepare students for the state-required end of course exam. [Return to Previous Page](#)

Pre-AP Language Arts II

2 Semesters, Weighted Grade Point

Grade 10

FHS/SHS*Prerequisite: Honors Language Arts I with a grade of “C” or above or written approval of instructor*

Because students in this class expect to continue on to AP English, in this year-long class they will be taught how to read, understand, discuss and write about various types of literature in greater detail and depth than in Language Arts II. Critical thinking about literature and essay writing will be stressed. Students should expect additional reading assignments in each of the genres: short story, novel, poetry, and drama and should expect to read three novels. Furthermore, students should expect a reinforcement of the fundamentals of English grammar, usage, mechanics, vocabulary and a rigorous, in-depth study of the fundamentals of written communication based on reading and research. Additionally, the class will require students to read one novel and write a journal during summer break before Pre-AP LA II.

[Return to Previous Page](#)**Language Arts III**

2 Semesters

Grade 11, Required

FHS/SHS*Prerequisite: Language Arts I, and II*

Language Arts III is a year-long course that consists of various aspects of the language arts. This is a more advanced composition class, including a reinforcement of the fundamentals of English grammar, usage, mechanics, and vocabulary. More advanced forms of written communication will be expected. Integrated in the course will be a study of American literature, which includes a variety of literary forms such as short stories, poems, plays, and novels. The readings will cover a wide variety of authors, both past and present. Various forms of expression are encouraged such as interpretation, analysis, and comparisons. Emphasis is placed on reading, writing, and discussion, with more emphasis on the application of literary terms and critical thinking skills. [Return to Previous Page](#)

Dual Credit Junior College Literature and Composition

2 Semesters

Grade 11

FHS/SHS*Prerequisite: Pre-AP LA II with a grade of “C” or above or instructor approval*

3 college semester hours

This course is designed to provide a thorough understanding of the ways in which literature functions as a form of art and expression and to equip students with the requisite skills and content knowledge necessary to demonstrate that understanding. As such, various genres and topics of literature will be studied alongside the many elements of literature that are used to construct these works. Students will study various literary forms, including short fiction, the novel, drama, and poetry. They will also examine specific topics and themes these texts explore and contextualize these ideas within the literary form. Students who take this course have an opportunity to earn three hours or college credit from The University of Missouri St. Louis. One summer reading will take place. [Return to Previous Page](#)

AP Language & Composition

2 Semesters, Weighted Grade Point

Grade 11

FHS/SHS*Prerequisite: AP Language or Jr. College Lit and Comp with “C” or above or instructor approval*

AP Language and Composition is a year-long course in which students study the intricacies of written and visual communication in preparation for the AP Language and Composition exam, given in May. This advanced course is an extensive study of the use of rhetoric in nonfiction writing which includes speeches, memoirs, essays, and other works. Students will learn to craft rhetorical analysis, expository essays, and synthesis essays which are research-based. In conjunction with nonfiction content, students will study the ways in which fiction functions rhetorically by analyzing various literary forms such as novels and drama for the application of rhetorical devices in a fictional context. One summer reading will

Students will be expected to take the AP Exam in May, fee for testing will apply. [Return to Previous Page](#)

Language Arts IV

2 Semesters

Grade 12

FHS/SHS*Prerequisite: Lang Arts I, II, and CP Language Arts III*

Language Arts IV prepares high school seniors for the rigors of post high school reading, thinking, and writing through a combined study of literature and college composition. Students will study literary units designed around common themes. Critical thinking and analytical skills will be developed along with writing skills through formal literary analysis (both semesters), informational essays, autobiographical essays, and research-based argumentative essays. Advanced grammar will be studied in conjunction with the students’ writing and ACT preparation as well as the college scholarship essay. [Return to Previous Page](#)

Dual Credit Senior College Literature and Composition

2 Semesters

Grade 12

FHS/SHS*Prerequisite: AP Lang and Comp or Jr. College Literature and Composition with a “C” or better or instructor approval*

6 college semester hours

These two dual credit courses are taught in conjunction and students are concurrently enrolled in both classes during the same class hour.

Topics in Literature will introduce the student to selected literary topics and/or genres. Topics such as alienation, justice, and the absurd, and genres such as science fiction and contemporary drama are typical possibilities.

First-Year Writing integrates critical reading, writing, and thinking skills and studies actual writing practices. Sequenced reading and writing assignments build cumulatively to more complex assignments. The course includes formal and informal writing, drafting and revising, editing for correctness, synthesizing source material, and documenting sources accurately. Students will read one novel during the summer and complete assigned tasks prior to the first day of school. [Return to Previous Page](#)

AP Literature and Composition

2 Semesters, Weighted Grade Point

Grade 12

FHS/SHS

Prerequisite: AP Language or Jr. College Lit and Comp with “C” or above or instructor approval

The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work’s structure, style, and themes, as well as its use of figurative language, imagery and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. The AP English Literature and Composition course aligns to an introductory college-level literature and writing curriculum. Preparation for this class includes the completion of one summer reading assignment. **Students will be expected to take the AP Exam in May, fee for testing will apply.**

[Return to Previous Page](#)

Senior Semester Electives: Genre Studies

Each of these one-semester classes can fulfill a half credit of the four credits required for graduation.

Students have two options:

- 1) 2 semesters of senior semester electives: Sports Literature and Writing (0.5 credit) **and** Mystery, Crime, and the Criminal (0.5 credit), Dual Credit Creative Writing (0.5 credit).
- 2) 1 semester of any senior semester genre electives and 1 semester of Language Arts IV: (for example) Sports Literature and Writing (0.5 credit) and one semester of LA IV (0.5 credit) **OR** Mystery, Crime, and the Criminal (0.5 credit) **and** 1 semester of LA IV (0.5 credit)
OR Dual Credit Creative Writing (0.5 credit) **and** LA IV (0.5 credit).

Students are also permitted to sign up for these classes in addition to Language Arts IV.

[Return to Previous Page](#)

Genre Studies: Sports Literature and Writing

1 Semester

Grade 12

FHS/SHS

Prerequisite: Three ELA credits

Sports Literature and Writing is a semester college-prep ELA course for students who have completed three full credits in ELA. This course applies toward the required fourth ELA credit. The class will examine the unique relationship between sports and society through literature from various genres, including fiction, informational text, poetry, biographies, and commentaries by contemporary authors, columnists, and other media. Sports reveal many things about human character and our cultural values. Athletics is a place where one learns about family, work, politics, gender, economy, morals, and values. These themes will be researched, analyzed, and articulated in three units as it relates to sports and celebrity, sports and economics, and sports and social issues (race, gender, political activism). Writing and presentation in the course will include argument, informative, and narrative pieces. This class must be taken in conjunction with one semester of LAIV or Mystery, Crime, and the Criminal to fulfill the fourth year English credit, but can also be taken by itself as an elective. [Return to Previous Page](#)

Genre Studies: Mystery, Crime, and the Criminal

1 Semester

Grade 12

FHS/SHS

Prerequisite: Three ELA credits

Mystery, Crime, and the Criminal is a semester college-prep ELA course for students who have completed three full credits in ELA. This semester course can be applied toward the required fourth ELA credit. This course will focus on the study of the genre of mystery and crime reading and writing. This course leads students in reading, discussing, and writing about mystery and crime fiction and nonfiction. Since mystery and crime fiction and nonfiction demand close reading and observation, the class offers opportunities to exercise critical thinking. Students will learn the history of the genre while exploring sub genres such as police, detective, and amateur procedures. The class will explore short stories, news articles, real life crime cases as well as popular and classic books related to mystery, crime, and the criminal. This class must be taken in conjunction with one semester of LAIV or Sports Literature to fulfill the fourth year English credit, but can also be taken by itself as an elective. [Return to Previous Page](#)

Genre Studies: Dual Credit Creative Writing

1 Semester

Grade 12

FHS/SHS

Prerequisite: Three ELA credits

In this course students will read, evaluate, and compose original poetry, essays, short fiction, and creative non-fiction. Students will examine the works of published authors and peers to develop their skills as dynamic writers. Designed to enhance creative and imaginative thinking, this course will focus on expressive writing, speaking and listening through peer evaluation and presentation, and techniques and conventions of creative work. [Return to Previous Page](#)

Broadcasting/Applied Communications

2 Semesters

Grades 10-12

SHS

Teacher Approval

In Applied Communications, students will be introduced to and explore multiple media platforms and gain experience in all stages of the production process. Students will practice photography and videography, website development, and podcasting. The videography team primarily works with Adobe Premiere Pro software during the editing and publishing process. The website team is tasked with maintaining the school's athletic webpage (schedules, rosters, news, etc) as well as drafting and publishing news articles. The podcast team will record in the studio using professional recording equipment and edit and publish audio using Audacity software. It is a requirement that students spend time outside of class gathering footage from extracurricular events (scheduled in class by the teacher) to be used for video projects. Students are encouraged to have experience in digital media, but there is no prerequisite.

Mass Media I (Yearbook)

2 Semesters

Grades 9 -12

FHS*Teacher Approval*

In this class, students will study the basic principles of scholastic journalism as it applies to yearbook writing and design. Students are required to gather information and take photographs and to know how to use a computer-based publishing program to layout a yearbook spread. Students will also study the ethical and legal issues that affect mass media in today's world. All students are required to participate in ad sales and fundraising to help finance the school yearbook. Grades, ability, attendance and discipline records will be considered for enrollment in this class. Adviser approval required. [Return to Previous Page](#)

ACT Prep

1 Semester, Weighted Grade Point

Grades 10-12, who plan to take the ACT test

FHS

This college-preparatory class is for students that are planning on attending a 2 or 4-year college after high school. The class reviews skills and strategies that are designed to help students who are seriously interested in raising their ACT scores. Students should expect intensive review of skills and lots of practice test taking. Grades in the class are determined by a combination of participation, tests and activities in the preparation of a final (a released ACT test). Students will practice using released tests and other materials designed to potentially improve their scores. [Return to Previous Page](#)

Speech I

1 Semester

Grades 9-12

FHS/SHS

The purpose of this course is to get students over the fear of public speaking and to instruct them in the proper way to prepare for, and actually speak in front of an audience. Communication, more than just speaking, is the emphasis in this course. The major speeches covered will be the informative, the demonstration and the persuasive. [Return to Previous Page](#)

Speech II

1 Semester

Grades 9-12

FHS/SHS*Prerequisite: Speech I*

The course provides a greater in-depth study of the art of speaking that was covered in Speech I. Much more practice is achieved through such activities as: small group discussion, the interview, radio and TV broadcasting, sales talk and much more. This course will also help those wanting practical application through the high school speech. [Return to Previous Page](#)

Debate I (fall- Individual Events & Debate)

1 Semester
Grades 10-12

SHS

Prerequisite: Teacher approval and Speech I & II or Theatre I

Students in this class are automatically members of the SHS Speech & Debate team. Depending on the individual student's emphasis, students will be participating in either public forum debate, Lincoln Douglas Debate, speech events, or theatrical events. This is a co-curricular class, therefore students will perform both in class and competitions outside of school hours. Students in this class can be considered to compete at the spring district tournament and again at the state tournament if they qualify. **This class can be taken multiple times. [Return to Previous Page](#)

Debate II (spring- Debate & Readers Theatre)

1 Semester
Grades 10-12

SHS

Prerequisite: Teacher approval and Speech I & II or Theatre I

Depending on the individual student's emphasis, students will be participating in an ensemble performance of a reader's theater or they will compete in debate. Students in this class will be expected to compete at the district tournament and again at the state tournament if they qualify. **This class can be taken multiple times. [Return to Previous Page](#)

Social Studies**American History**

2 Semesters
Grade 9

FHS/SHS**Required**

American History is a survey of American History from the late 1800's Westward Expansion/Gilded Age to the present and provides continuity with the curriculum of 8th-grade American History class. The course includes political, economic, and social developments from the modern era, as well as foreign affairs and geographic issues. The course encourages an understanding of the past and the recognition of its contribution to the present and the future; encompassing broad historical themes, which occur through time and shows how these events affect contemporary life.

Course work will include developing historical thinking skills including reading and analysis of primary and secondary sources, gathering and organizing of information into useful forms, and construction of written responses and arguments. [Return to Previous Page](#)

Pre-AP American History

2 Semesters, Weighted Grade Point
Grade 9, Approval

FHS/SHS

Prerequisite: Advanced 8th Grade Social Studies with a grade of "C" or above or written approval of instructor

American History is required to graduate, however, this is an accelerated course.

The course will cover the Civil War/Reconstruction of the 19th century through the events of the 20th century. The course will cover the social, cultural, political, and military actions of the individuals and groups that have influenced the nation. Students will use thinking skills, analyze primary and secondary

sources, make historical comparisons, use chronological reasoning, and argumentation. These are the skills that are required in an AP course, and Pre-AP American History will be a reflection of those ideas and prepare students for the rigors of the AP history courses available at Fox & Seckman High School. The course is a weighted grade, but does not provide college credit as in an AP course. Students will be expected to learn material at a faster pace and with more depth because of this pace. There is also an expectation that students will spend a larger amount of time outside of the classroom in order to prepare and contribute their own grade and to the class environment. [Return to Previous Page](#)

World History

2 Semesters

Grade 10

FHS/SHS

Required

World History is a survey course focusing on the historical development of people, places and patterns of life from ancient times until the present day; concentrating on the specific periods, persons, and events of greatest significance to development. Study includes comparisons of past and present events as well as comparisons of western and non-western development to foster an understanding of the political, social, geographic and economic status of several nations in the world today. The course will build students' ability to think and reason through analysis, evaluation and comparison of each historical period. [Return to Previous Page](#)

AP Human Geography

2 semesters, Weighted Grade Point

Grade 9-12

FHS/SHS

The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socio-economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012). [Return to Previous Page](#)

American Government

2 Semesters

Grade 11

FHS/SHS

Required

This course shall incorporate instruction in the institutions, branches, and functions of the state, local, and national governments of the United States. Origins of the United States government and constitution, the electoral process, basic economics, and civil rights will be addressed. Students are mandated to take and pass the Missouri and United States Constitution Test and the US Citizenship Test, per DESE requirements. This is an End of Course exam class. [Return to Previous Page](#)

History of the American West

1 Semester

Grade 9-12

FHS

History of the American West is the historical study of the western United States. The course focuses on the social, political, economic, and cultural changes of the American West from the time of original inhabitants to modern times. The main topics include: geography and climate of the West, Native American cultures, European exploration and settlement, American exploration and early settlement, conflict in the West, railroads and opportunities, and Western Progressivism. [Return to Previous Page](#)

History of Modern Warfare

1 Semester

Grade 9-12

FHS/SHS

This course will take a look at some very important questions concerning the origins of wars as well as the study of WWI and WWII, the Cold War conflicts, the Gulf War, and the War on Terrorism. Students will confront and discuss tough questions such as, “How has warfare changed in the past century?”, “What limits should be used in waging war?”, “What reasons (if any) justify the use of war?”, and “What impact has warfare had on the homefront?” An in-depth look into the military history of our past century will challenge students to evaluate how war fits into our future. [Return to Previous Page](#)

Contemporary Issues

1 Semester

Grades 9-12

FHS/SHS

Students will focus on issues and events from a statewide, national, and world-wide perspective that are of timely importance. This course will stress the importance of knowledge of these events, and their immediate, and long-range effects. Contemporary Issues will also involve the use of critical thinking skills in the areas of research, examination and the analysis of various issues and events. The treatment of these issues and events will be examined through print, television, and internet media. Discussions, essays, and service learning are major components of this class. [Return to Previous Page](#)

Psychology

1 Semester

Grades 11-12

FHS/SHS

Psychology is the study of individual behavior. This course is designed to use readings, demonstrations and experiments to help students better understand their behavior and how their behavior might affect others. Main topics of the course include: methods of psychology: the brain; major theories about why we dream; gender role differences; child development and personality, stress, and drugs and treatments/therapy for good mental health. Students will be expected to use supplementary library materials and participate in group projects and group discussions. This is an important course for college bound students. [Return to Previous Page](#)

Sociology

1 Semester

Grades 11-12

FHS/SHS

This course examines some of the ways individuals are affected by group behavior. Culture, conformity and deviance, gender roles, values and norms of society, minorities and discrimination, poverty, crime, and the family are topics that will be studied that affect human groups and the individuals who belong to these groups. Besides the textbook, the students will be expected to use supplementary library materials and to participate in group projects and group discussions. [Return to Previous Page](#)

Introduction to Comparative Politics

1 Semester

Grade 12

SHS

Prerequisite: US Government or AP US Government & Politics; GPA requirement per University

This course introduces students to western and non-western systems. It examines similarities and differences in the basic political ideologies, structures, economies, social institutions, and governmental processes of developed and developing countries. It also provides frameworks for understanding the cultures of the world that are the basis for formal economic and political institutions. In addition, the course examines the role of non-state institutions, including trans-national ones, in shaping national policies. It uses case studies from Africa, Asia, Latin America, as well as Europe, to enhance student understanding of comparative politics.

This is a dual credit course through the University of St. Louis, Missouri. Students who enroll in UMSL's AC program and earn a C or higher will earn 3 hours of college credit. [Return to Previous Page](#)

United States Foreign Policy

1 Semester

Grade 12

SHS

Prerequisite: US Government or AP US Government & Politics; GPA requirement

This course examines the factors influencing the formation and execution of United States foreign policy, with a focus on specific contemporary foreign policy issues. This is a dual credit course through the University of St. Louis, Missouri. Students who enroll in UMSL's AC program and earn a C or higher will earn 3 hours of college credit. [Return to Previous Page](#)

AP World History

2 semesters, Weighted Grade Point

Grades 10-12

FHS/SHS

Prerequisite: A grade of "C" or higher in Pre AP classes is highly recommended

AP World is designed to be the equivalent of a two-semester introductory college or university course. In World History students investigate significant events, individuals, developments, and processes in four historical time periods from approximately 1200 c.e. to the present. Students use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources, developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course provides five themes that students explore throughout the course in order to make connections in historical development in different times and places; interactions between humans and the environment; development and interaction of cultures, state

building, expansion, and conflict, creation and interaction of economic systems, and develop and transformation of social structures. College credit is available by taking the AP exam in May at the student's expense. [Return to Previous Page](#)

AP American History

2 Semesters, Weighted Grade Point

Grade 11-12

FHS/SHS

Prerequisites: World History and Government; Recommended: Pre-AP or AP World History and AP Government (a grade of "C" or higher in both prerequisite classes is highly recommended)

This course will increase a student's understanding of United States history from discovery to the present. The areas of concentration include historical, political, social, and economic history coupled with an intense study of cultural and intellectual institutions and their development. This course is taught at the college level and requires a significant commitment from the student as it necessitates a considerable amount of reading, writing, research, and discussion. College credit is available by taking the AP exam in May at the student's expense. [Return to Previous Page](#)

AP European History

2 Semesters, Weighted Grade Point

Grade 10-12

FHS/SHS

Prerequisite: It is strongly suggested that students have AP or Pre-AP experience (a grade of "C" or higher in AP or Pre-AP classes is highly recommended)

AP European History is a challenging yet rewarding course that offers students greater opportunity to master the subject and to explore it in greater depth. The course emphasizes relevant factual knowledge about European History from 1450 to the present while examining historical issues based upon three broad themes: Intellectual and Cultural History, Political and Diplomatic History, Social and Economic History.

The course includes extensive instruction in the analysis and interpretation of a wide variety of written primary sources. Emphasis is also placed upon analysis and interpretation of other primary sources, including pictorial and graphic material such as maps, statistical tables, and works of art. Another key focus of the course is to teach students to analyze evidence and interpretations presented in historical scholarship. will have an opportunity to take the AP test in May; with the opportunity to earn college credit. This is a reading and writing intensive course. [Return to Previous Page](#)

AP United States Government and Politics

2 Semesters, Weighted Grade Point

Grades 11

FHS/SHS

Prerequisite: It is strongly suggested that students have AP or Pre-AP experience (a grade of "C" or higher in AP or Pre-AP classes is highly recommended)

AP United States Government and Politics is a yearlong course that introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments. This is a reading and writing intensive course. Students taking this course will have an opportunity to take the AP test in May, with the opportunity to earn college credit. Students are mandated to take and pass the Missouri and United States Constitution Test and the US Citizenship Test, per DESE requirements. This is an End of Course exam class. [Return to Previous Page](#)

Dual Credit Psychology

2 Semesters,
Grade 11-12

FHS

Prerequisite: A grade of “C” or higher in AP classes is highly recommended

Psychology is the study of individual behavior. This advanced course is designed to use readings, demonstrations, videos, and experiments to help students better understand their behavior and how their behavior might affect others. Main topics of the course include: methods of psychology, the brain, major theories about why we dream, sex role differences, frustration, conflict, stress, and drugs, and habits, treatments, and therapy for good mental health. In addition to the textbook, students will be expected to use supplementary materials and participate in group projects and discussions. College credit may be earned in this course through Missouri Baptist University. [Return to Previous Page](#)

AP Psychology

Grade 11-12

FHS/SHS

Prerequisite: A grade of “C” or higher in AP classes is highly recommended

In this course, students prepare to take the AP Psychology exam in May. This advanced course is designed to use readings, demonstrations, videos, and experiments to help students better understand their behavior and how their behavior might affect others. Main topics of the course include: methods of psychology, the brain, major theories about why we dream, sex role differences, frustration, conflict, stress, and drugs, and habits, treatments, and therapy for good mental health. In addition to the textbook, students will be expected to use supplementary materials and participate in group projects and discussions. Students who earn qualifying scores on the AP Exam may receive college credit. [Return to Previous Page](#)

Mathematics**Algebra I**

2 Semesters
Grades 9

FHS/SHS

This course will aid the students in developing an understanding of number theory as it relates to mathematics both inside and outside the classroom. It will improve the student’s ability to add, subtract, multiply, and divide real numbers. The student’s knowledge and comprehension of solving and graphing linear equations, inequalities, and systems of equations will be strengthened. They will develop a basic knowledge of solving polynomial equations, quadratic functions, radical expressions, and probability and statistics. Students will continuously use problem-solving skills to examine real world applications throughout the course. [Return to Previous Page](#)

Honors Geometry

2 Semesters, Weighted Grade Point

Grade 9

FHS/SHS*Prerequisite: Algebra I (a grade of “C” or above is highly recommended)*

A major objective of this course is to develop the student’s ability to think creatively and critically in nonmathematical, as well as mathematical situations. Geometry involves inductive and deductive reasoning and properties of polygons, parallel and perpendicular lines and circles. Also, students will explore the applications of triangles and the basic concepts of probability and statistics. To achieve success, the students will do extensive work to learn to think logically and to organize his/her thoughts into formal geometric proofs. This course is a prerequisite for taking Honors Algebra 2, as well as Honors Trigonometry/Precalculus, AP Calculus, and AP Statistics [Return to Previous Page](#)

Geometry

2 Semesters

Grades 9, 10

FHS/SHS*Prerequisite: Algebra I*

A major objective of this course is to develop the student’s ability to think creatively and critically in nonmathematical, as well as mathematical situations. Geometry involves inductive and deductive reasoning and properties of polygons, parallel and perpendicular lines and circles. Also, students will explore the applications of triangles and the basic concepts of probability and statistics. To achieve success, the student must learn to think logically and to organize his/her thoughts into formal geometric proofs. [Return to Previous Page](#)

Honors Algebra II

2 Semesters, Weighted Grade Point

Grade 10

FHS/SHS*Prerequisite: Algebra I and Honors Geometry (a grade of “C” or above in both prerequisites is highly recommended)*

Students will develop an increased competence in manipulative skills and understanding of algebraic concepts. Students will be able to translate into mathematical models situations more complex than those presented in previous math courses. Honors Algebra II will provide a stable foundation for the continuation of the study of math. Topics discussed include: solving equations and inequalities, graphing linear relationships, solving systems of linear equations, simplifying polynomial and rational expressions, radicals, exponents and logarithms, sequences and series, and quadratic relationships. Other topics include complex numbers, matrices, and higher degree equations. This course is a prerequisite for taking College Algebra/Trigonometry, Honors Trigonometry/Precalculus, AP Calculus, and AP Statistics [Return to Previous Page](#)

Algebra II

2 Semesters

Grades 10-12

FHS/SHS*Prerequisite: Algebra I and Geometry*

Students will develop an increased competence in manipulative skills and understanding of algebraic concepts. Students will be able to translate into mathematical models situations more complex than those presented in previous math courses. Algebra II will provide a stable foundation for the continuation of the study of math. Topics discussed include: solving equations and inequalities, graphing linear relationships, solving systems of linear equations, simplifying polynomial and rational expressions, radicals, exponents and logarithms and quadratic relationships. This course is a prerequisite for taking College Algebra/Trigonometry and Probability and Statistics. [Return to Previous Page](#)

Financial Algebra

2 Semesters

Grades: 11-12

FHS/SHS*Prerequisites: Algebra I and Geometry*

This course is not considered Algebra I & higher for college admissions, please consult your counselor. This course does not meet NCAA requirements.

Students will explore algebraic patterns and functions in a financial context. Students will apply algebraic and graphical methods to practical business and personal finance applications. Topics that will be explored in this course include, but are not limited to: expenses, budgets, credit, interest, the stock market, and depreciation. [Return to Previous Page](#)

Contemporary College Math

2 semesters

Grade: 12

FHS*Prerequisites: successful completion of 2 years of high school algebra*

This course gives the student an overview of the role of mathematics today. It provides the student with experiences using analytical and logical problem-solving skills. The course includes introductions to inductive and deductive reasoning, set theory, number theory, geometry, consumer mathematics, algebra, and graph theory. This course meets the minimum general education requirement for graduation for some majors. Dual Credit is available for this course [Return to Previous Page](#)

College Algebra

2 semesters

Grade: 11-12

SHS*Prerequisites: Algebra II*

This course is a detailed study of functions and their graphs. Topics covered include linear and quadratic equations, inequalities, polynomial and rational functions, exponential and logarithmic equations, and systems of equations. This course has been approved as a part of Missouri Core 42 as MOTR MATH 150 Precalculus for Dual Credit through Missouri Baptist University. [Return to Previous Page](#)

Algebra III

2 semesters

Grades 11-12

FHS*Prerequisite: Algebra II and Geometry*

Algebra III provides a practical setting in which to apply previously learned algebraic skills. Students will explore probability, statistics, sequences and series,, functions, graphs, identities, and equations. This class is designed to better prepare students to be successful when taking college algebra in the college setting. [Return to Previous Page](#)

College Algebra/Trigonometry

2 Semesters

Grades 11-12

FHS/SHS*Prerequisite: Algebra II and Geometry*

College Algebra/Trigonometry provides a practical setting in which to apply previously learned algebraic and geometric skills. Students will be introduced to trigonometric functions, their graphs, and practical applications, including trigonometric identities, proofs. Students will also review linear, circular, quadratic, polynomial, exponential, and logarithmic functions and their applications. This course provides students with mathematical concepts to improve performance on college entrance exams. This course is a prerequisite for Business Calculus and an expected course to enroll in many four year universities. This course is highly recommended for students wishing to pursue a four year degree in areas such as, but not limited to, engineering, architecture, computer programming, business, and physical sciences. Dual Credit is available. This course is a prerequisite for AP Statistics. [Return to Previous Page](#)

Honors Trigonometry/Pre-Calculus

2 Semesters, Weighted Grade Point

Grade: 11

FHS/SHS*Prerequisite: Honors Algebra II and Honors Geometry (a grade of “C” or above in both prerequisite classes is highly recommended)*

Linear, quadratic, rational, polynomial, exponential, and logarithmic functions are reviewed and taught in greater detail during the first semester. There is an emphasis placed upon use of a graphing calculator to reinforce the relationships among the multiple representations of functions, to confirm written work, to implement experimentation and to assist in interpreting results. Students will also be introduced to circular and trigonometric functions and will be shown practical application of these skills. Dual credit is available. This course is a prerequisite for AP Calculus. [Return to Previous Page](#)

Probability and Statistics

2 Semesters

Grade 12

FHS/SHS

Prerequisite: Algebra II and Geometry

Statistics is intended for those students wanting to take an upper level mathematics course after College Prep Algebra II. It will introduce students to collecting, analyzing, and drawing conclusions from data. It will also explore variance, normal and standard distributions, and binomial distributions. Other statistical analysis will include percentile rank, z-scores, linear correlation, and regression. The course also provides probability, probability distributions, combinations, permutations, odds, and mathematical expectations. This course is highly recommended for students pursuing a four year college degree in areas such as, but not limited to, nursing, business, and psychology. It is strongly recommended that College Algebra/Trigonometry be taken either previous to or concurrently with this course for college preparation. [Return to Previous Page](#)

AP Statistics

2 Semesters, Weighted Grade Point

Grade 12

FHS/SHS

Prerequisite: Honors Algebra II or Algebra II & College Algebra/Trigonometry

The statistics course is built around four main topics: exploring data, planning a study, understanding probability theory, and acquiring inferential reasoning skills. The emphasis is on introducing statistics, analyzing data, and communicating the analysis, both in written and graphical form. Statistics is project-oriented and a calculator/computer-based course. **Students are expected to take the AP Exam in May.**

Students will use their graphing calculators extensively throughout the course. [Return to Previous Page](#)

Survey of Calculus

2 Semesters

Grade 12

SHS

Prerequisite: College Algebra/Trigonometry

Survey of Calculus covers the basics of continuity, limits, derivatives, the definite integral, techniques of integration, and plane analytical geometry. The course does not cover the topics of Calculus in as much depth as AP Calculus. Therefore, students should expect to enroll in Calculus I during their first semester in college. Survey of Calculus is recommended for students pursuing a four year college degree in areas such as, but not limited to, engineering, architecture, computer programming, business, and physical sciences. [Return to Previous Page](#)

Business Calculus

2 Semesters

Grade 12

FHS

Prerequisite: College Algebra/Trigonometry

Calculus for Business and the Social Sciences is an intuitive approach to that part of the calculus that deals with instantaneous rate of change and area under a curve. This course will not serve as a substitute for Calculus I, and therefore is not a replacement for AP Calculus. Students wishing to pursue an engineering major should not take Business Calc. A graphing calculator is required. Dual Credit is available. [Return to Previous Page](#)

AP Calculus AB

2 Semesters, Weighted Grade Point

Grade 12

FHS/SHS*Prerequisite: Honors Trig /Pre-Calculus (a grade of C or above in prerequisite class is highly recommended)*

AP Calculus covers continuity, limits, derivatives, the definite integral, techniques of integration, and plane analytic geometry in great depth. The course becomes a cohesive whole rather than a collection of unrelated topics. These themes are developed using both algebraic and transcendental functions. Dual credit is available and students are expected to take the AP exam. After completion of this course, many students will be prepared to enroll directly into Calculus II during their first semester of college. A graphing calculator such as TI-83 or TI-84 will be used in class is required. Dual credit is also available. ***Students will be expected to take the AP Exam in May** [Return to Previous Page](#)

Science**Physics and the Earth**

2 semesters

Grade 9

FHS/SHS

Physics topics include the study of motion, forces, light, sound, heat, electricity, and magnetism. Students will also study the different forms of energy and how energy is transferred. This course includes many laboratory investigations. Additionally, physics concepts will be applied to the study of the Earth, its processes, and the rest of the universe. [Return to Previous Page](#)

Pre-AP Physics and The Earth

2 semesters, Weighted Grade Point

Grade 9

FHS/SHS*Prerequisite: Advanced 8th Grade Science with a grade of "C" or above or written approval of instructor*

This course has the same general description as Physics and the Earth. The basic concepts are covered in more depth at a faster pace and additional concepts may be added. Laboratory investigations are a major component of the course and often used for inquiry learning. It is strongly recommended that students in this course have been successful in Algebra I. [Return to Previous Page](#)

Chemistry

2 Semesters

Grades 10-12

FHS/SHS*Prerequisites: Pre-AP Physics and the Earth Science, Physics & the Earth , CP Algebra I and previous year science class, both with grade C or higher.*

Students will be introduced to the basic concepts of Chemistry such as: chemical nomenclature, density, balancing equations, atomic structure, periodic table, bonding, and states of matter. The student must have a good understanding of basic algebra concepts especially graphing and solving equations. Math word problems are predominantly used in this class. In addition, the student should have above-average writing skills and reading ability. [Return to Previous Page](#)

Pre-AP Chemistry

2 Semesters, Weighted Grade Point

Grades 10-12

FHS/SHS

Prerequisite: Pre-AP Physics and the Earth Science with a “C” or above, Algebra I with a grade “C” or above, approval. A student must pass first semester in order to remain in the class second semester.

This course has the same general description as Chemistry. The basic concepts are covered in more detail and additional concepts may be added. Lab is a major component of this course, offering a variety of experimental techniques and processes. A student must pass the first semester in order to remain in class in the second semester. [Return to Previous Page](#)

Environmental Science

2 Semesters

Grade 10-12

FHS/SHS

Environmental science is a lab course designed for students interested in studying the environment. Students will study local, national, and global environmental issues. Topics include ecology, populations, air, land, water, mineral resources, energy resources, and biodiversity all with an emphasis on chemical processes. Students will investigate scientific solutions to environmental problems and determine how individuals can make a difference. [Return to Previous Page](#)

Biology

2 Semesters

Grades 11-12

FHS/SHS

Prerequisites: Physics and the Earth Science and Chemistry or Environmental Science

Biology is an overview study of basic life processes, cells, genetics, reproduction, evolution, ecology, and a survey of the kingdoms of life. The class will chiefly consist of laboratory work and class discussion. This course is a prerequisite for upper level Biology electives such as Anatomy & Physiology and Zoology. **Every student must take the Biology End-of-Course exam prior to graduation.** [Return to Previous Page](#)

DC AP Biology

2 Semesters, Weighted Grade Point

Grade 11-12

FHS/SHS

Prerequisites: Pass Pre-AP Chemistry, or Chemistry with a B, or Advanced Anatomy/Physiology with B or higher

This course is a college preparatory course for juniors and seniors. After this course, students may take the AP test and receive college-advanced placement and/or college credit in Biology, depending on the student’s test score as well as the advanced placement policy of the college or university.

The objectives of this course are to instill knowledge of the facts, principles, and processes of biology, to develop an understanding of how to collect biological information and interpret it and finally, for students to realize that science is a human endeavor with social consequences. This course will cover material from Four Big Ideas. Big Idea 1—the process of evolution drives the diversity and unity of life. Big Idea 2 - Biological systems utilize free energy and molecular building blocks to grow, reproduce, and to maintain dynamic homeostasis. Big Idea 3—Living systems store, retrieve, transmit,

and respond to information essential to life processes. Big Idea 4—Biological systems interact and these systems and their interactions possess complex properties. The course materials will be covered by lecture-discussions and EXTENDED LABORATORIES.

This course is recommended for any senior student planning on attending college and who has the ability to handle college-level work. Any student planning on pursuing a biologically related career should take this class. This class may be offered for dual-credit. [Return to Previous Page](#)

AP Environmental Science

2 semesters

Grade 10 - 12

FHS/SHS

Prerequisite: Physics and The Earth with a C or better

This is a college level course where students cultivate their understanding of their interrelationships of the natural world through inquiry-based lab investigations and fieldwork as they explore concepts like the four Big Ideas; energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability. This course will prepare you to take the AP test in order to earn college credit. [Return to Previous Page](#)

Anatomy and Physiology

2 Semesters

Grades 11-12

FHS/SHS

Prerequisite: pre-AP chemistry with a C or above or chemistry with a C or above, or Biology with a C or above

This course is a study of the structure and function of the various systems of the human body; including the skeletal, muscular, nervous, circulatory, respiratory, digestive, excretory, endocrine and reproductive systems. Coursework is learned through lecture, laboratory activities, hands-on practice, and dissection. Dissection specimens may include: rat, heart, brain, and eye. Students may have an opportunity to visit a human cadaver lab at a local university. Human surgical/medical videos may be viewed as an application of anatomical terms and physiological processes. This demanding course is highly recommended for all students interested in medically related careers, veterinary medicine, physical education and other biologically related careers. [Return to Previous Page](#)

Advanced Anatomy and Physiology

2 Semesters, Weighted Grade Point

Grade 11-12

FHS/SHS

Prerequisites: pre-AP chemistry with a C or above or chemistry with a C or above

This course is a study of the structure and function of the various systems of the human body, which include the skeletal, muscular, nervous, circulatory, respiratory, digestive, excretory, endocrine and reproductive systems. Cell biology and biochemistry are needed for an understanding of the concepts covered in this class. As the systems are covered, the human body will be compared to that of other groups of animal groups. Human embryonic, fetal development and childbirth will also be studied. The material will be covered in a series of lecture-discussions with laboratory studies. This material will include dissection. Human surgery videos may also be viewed. This class is recommended for all honor students interested in medically related careers, biology, veterinary medicine, dentistry, etc. This course has the same description as Anatomy and Physiology, but additional material is covered in this class that is not covered in Anatomy and Physiology and most topics are covered at a more advanced level. Enrollment in this class is by selection. [Return to Previous Page](#)

AP Chemistry

2 Semesters, Weighted Grade Point

Grades: Preferable for seniors but juniors also accepted

FHS/SHS*Prerequisite: Pre-AP Chemistry or Chemistry with a grade of “C” or above both semesters*

This is a college level course for juniors and seniors interested in pursuing a science career. This is an equivalent to a general chemistry course taken during the first year of college. The course will prepare students to take the AP Chemistry exam. Depending on the exam score, students may earn college credit in chemistry. Laboratory experiments are a huge part of this course. Students may be required to complete laboratory experiments outside of the normal class period. Students should possess good math, writing, and critical thinking skills. A student must pass the first semester to remain in the course for the second semester. [Return to Previous Page](#)

AP Physics

2 Semesters, Weighted Grade Point

Grade 11 or 12

FHS/SHS*Prerequisites: “C” or better in Pre-AP Physics and the Earth or in Physics and the Earth.**Trigonometry with a C or better.*

This course will prepare you to take the AP Physics 1 exam; it is taught at the same level and pace as a college Physics course. Strongly encouraged for Engineering or Science careers. Recommended summer assignments available in May to review your concepts from Physical Science; due at the end of the first full week of school.

Students will explore principles of Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits through problems, lab demonstrations, activities, and investigations. The course is based on six big ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world. [Return to Previous Page](#)

Zoology

2 Semesters

Grade 11-12

FHS/SHS*Prerequisite: Biology with a C or better or taken concurrently with Biology*

This class is the general study of the animal kingdom. The course is divided into two main areas of study: invertebrates and vertebrates. Animals of the invertebrate group include the porifera, cnidarians, worms, mollusks, echinoderms and arthropods. Animals of the vertebrate group include fishes, amphibians, reptiles, birds and mammals. Major dissections include representative animals from the worm, mollusk, echinoderm, arthropod, fish, amphibian, and mammal groups. This course is highly recommended for all students that have a strong interest in animal study, wildlife biology, wildlife conservation, or veterinary medicine. [Return to Previous Page](#)

Physical Ed.

Athletic Weight Training

1 Semester

Grades 9-12

FHS/SHS

This course continues to develop and build on the principles related to strength and conditioning. Advanced techniques and sport specific training will be the focus throughout the semester. Students will learn about the Five Basic Fitness Components (Muscular Strength, Muscular Endurance, Flexibility, Cardio Respiratory Endurance, and Body Composition) and be able to create an individualized fitness plan. Instructional methods will include direct instruction and modeling in a weight room environment. [Return to Previous Page](#)

Fitness

1 Semester

Grades 10-12

FHS/SHS

The course covers the basic components of fitness which includes: Cardiovascular health, muscular strength and endurance, flexibility, body composition and stress management. Activities include, but are not limited to, individual, dual sports, and team sports. The student's learn proper methods, theories, safety precautions, and physical benefits associated with each health related fitness component. Additionally, students learn how to develop personal fitness plans based on the concepts taught in class. Selected fitness assessments will be administered. [Return to Previous Page](#)

Freshmen P.E.

1 Semester

Grades 9

FHS/SHS

This course is designed for freshmen only. The student will develop both knowledge and skills relating to team activities. They will also acquire an understanding of rules that apply to these activities. An emphasis on sportsmanship and cooperative learning will be stressed. [Return to Previous Page](#)

Recreational Games

1 Semester

Grades 10-12

FHS/SHS

Rec Games and team sports are elective classes. The course will cover rules, fundamentals, and strategies to compete in a variety of individual, dual, and team sports. [Return to Previous Page](#)

Health & Family Education

1 Semester

Grades 9-12

FHS/SHS

This is a comprehensive health course designed to enable students to gain the awareness, knowledge, and skills essential for understanding health related issues. Students will be able to gather, understand, and use health information to enhance his or her well-being. This course meets the state health requirement as well as required CPR and Mental Health Awareness training for graduation. [Return to Previous Page](#)

Adaptive Physical Education

1 Semester

Grades 11-12

FHS/SHS*Prerequisite: Completion of any PE course**(By Application Only, Cadet Teaching, A+/peer mentoring)*

In adaptive physical education, the instructor works under the recommendations of the student's (IEP) Individualized Education Program. Class activities are adapted or modified to meet individual needs. Each student performs at an individual level of ability without pressure or competition. Students with both temporary and permanent disabilities are served.

This course gives the student instruction that promotes and develops overall physical fitness and development of daily functional fitness motor skills. This activity class for the physically and cognitively challenged includes exercises in flexibility, strength development, aerobic activity and relaxation training. Students must have an (IEP) Individualized Education Program. [Return to Previous Page](#)

PERFORMING ARTS**AP Music Theory**

2 semesters, Weighted Grade Point

Grades 11-12, Approval

FHS/SHS

This is a yearlong course that teaches a wide array of musical concepts. Along with music theory and beginning composition, the students also deal with aural skills, dictation, and sight singing. The objectives for this course are taken from the AP Music Theory and Composition Course Description published by the College Board. Students learn the basics of music notation and score analysis along with knowledge of basic tonal harmony in the eighteenth-century common practice period style. The ultimate goal of the course is to develop a student's ability to recognize, understand, analyze, and describe the aspects and processes of music that are heard or seen on a score. Students engage in a variety of written, singing, and compositional exercises that teach them the many aspects of musical composition and analysis. The primary goal of the course is to prepare students to take the AP Theory exam that is offered toward the end of the year. Students who pass may earn college credit at a number of colleges and universities. [Return to Previous Page](#)

Popular Music & Culture

1 Semester

Grades 9-12

FHS/SHS

Music is one of the most fundamental forms of human expression and is a medium for shaping identity. "Popular Music & Culture" will provide an overview of the role and rise of popular music, particularly in America. When does "music in America" become "American music?" This semester course will provide foundational music elements and terminology to better understand the historical and cultural significance of American popular music from the postwar era until the present day. [Return to Previous Page](#)

Music & Culture

1 Semester

Grades 9-12

FHS/SHS

Music is one of the most fundamental forms of human expression. Music & Culture will provide an overview of the role of music within various cultures and communities. This course will provide foundational music elements and terminology to better understand our musical culture, identity, and journey, particularly in America. [Return to Previous Page](#)

Instrumental Music

Marching Band

Offered 1st Semester Only

Grades 9-12

FHS/SHS

Prerequisite: Audition required and director permission.

Marching band is a co-curricular activity, meaning that while we do meet during the school day and the students receive a class grade, most of the band activities are conducted outside the school day. Band camp, parades, football games and competitive festivals make up the majority of the band schedule. Although highly competitive in nature, it is the commitment of the staff to focus on music, education, and character above all. We will not sacrifice any of these just to bring home a trophy. In order to march, students must play in a band the previous semester. [Return to Previous Page](#)

Symphonic Band

2nd Semester Only

Grades 9-12

FHS/SHS

Prerequisite: Director permission required.

Symphonic Band is the top concert band at Fox High School and is comprised of approximately 50 of the best musicians in the school. The ensemble will perform wind literature of the highest quality, covering many different time periods and genres. Considering the limited instrumentation, members will be required to quickly learn their music and strive to improve their level of musicianship throughout the semester. Advanced studies will include: scales, arpeggios, key signatures, time signatures and sight-reading. [Return to Previous Page](#)

Concert Band

2 Semesters

Grades 9-12

FHS/SHS

Prerequisite: Director permission required.

Concert band continues to develop students in the areas of individual and ensemble tone, technique, intonation, balance and blend. Students will further develop their ability to sight read music and some will have individual projects assigned to them (such as small groups and auditions). Prior to the end of the first semester, students may audition for the Symphonic Band (1st hour- Spring). [Return to Previous Page](#)

Jazz Band I

2 Semesters

Grades 9-12

FHS/SHS*Prerequisite: Audition required and director permission.*

Jazz I is the premier jazz ensemble at Seckman high school. These are twenty of the best musicians at Seckman. Students will play jazz literature of the highest caliber, at the highest level of musicianship. They will cover topics such as advanced improvisation, chord structure, jazz history, individual/group balance, blend and technique. Jazz I will also be the “face” of SHS Jazz, playing out in the community several times throughout the year, as well as competing at jazz festivals. Students will also be expected to audition for district jazz band. [Return to Previous Page](#)

Jazz Band II

2 Semesters

Grades 9-12

FHS/SHS*Prerequisite: Audition required and director permission*

Jazz II is the second of our jazz bands and begins to introduce intermediate jazz techniques. Students will develop in the areas of key signature recognition, chord structure, jazz styles, jazz listening, jazz history, ensemble balance/blend, improvisation, and individual tone/technique. Students will attend jazz festivals and will be required to audition for the all-district jazz band. [Return to Previous Page](#)

Jazz Band III

2 Semesters

Grades 9-12

FHS/SHS*Prerequisite: Audition required and director permission*

Jazz III is the third of our jazz bands and serves as an introduction to Jazz. Students will develop in the areas of key signature recognition, chord structure, jazz styles, jazz listening, jazz history, ensemble balance/blend, improvisation, and individual tone/technique. Students will attend jazz festivals and will be required to audition for the all-district jazz band. [Return to Previous Page](#)

Vocal Music**JV Treble Choir**

2 Semesters

Grades 9-12

FHS

Basic to intermediate treble ensemble that develops skills in reading musical notation and interpreting musical terminology. Development in the areas of individual and ensemble tone and technique, intonation, balance, and blend are addressed. Prior experience is not required. Course Offered AS NEEDED. [Return to Previous Page](#)

JV Tenor-Bass Choir

2 Semesters

Grades 9-12

FHS

Basic to intermediate tenor-bass ensemble that develops skills in reading musical notation and interpreting musical terminology. Development in the areas of individual and ensemble tone and technique, intonation, balance, and blend are addressed. Prior experience is not required. Course Offered AS NEEDED. [Return to Previous Page](#)

JV Mixed Choir

2 Semesters

Grades 9-12

SHS

Basic to the intermediate mixed ensemble (SATB) that develops skills in reading musical notation and interpreting musical terminology. Development in the areas of individual and ensemble tone and technique, intonation, balance, and blend are addressed. Prior experience is not required. Offered AS NEEDED [Return to Previous Page](#)

JV Advanced Treble Choir

2 Semesters

Grades 9-12

FHS/SHS*Prerequisite: Audition Required/ Director Approval*

Intermediate treble ensemble that develops skills in reading musical notation and interpreting musical terminology. Development in the areas of individual and ensemble tone and technique, intonation, balance, and blend are addressed. Audition/Director Approval required; Course Offered AS NEEDED. [Return to Previous Page](#)

Varsity Treble Choir

2 Semesters

Grades 9-12

FHS/SHS*Prerequisite: Audition Required/ Director Approval*

Accomplished to advanced treble ensemble that develops skills in reading musical notation and interpreting musical terminology. Development in the areas of individual and ensemble tone and technique, intonation, balance, and blend are addressed. Audition/Director Approval required; Course Offered AS NEEDED. [Return to Previous Page](#)

Varsity Bass Choir

2 Semesters

Grades 9-12

SHS*Prerequisite: Audition Required/ Director Approval*

Accomplished to advanced tenor-bass ensemble that develops skills in reading musical notation and interpreting musical terminology. Development in the areas of individual and ensemble tone and technique, intonation, balance, and blend are addressed. Audition/Director Approval required; Course Offered AS NEEDED. [Return to Previous Page](#)

Varsity Mixed Choir

2 Semesters

Grades 9-12

FHS/SHS***Prerequisite: Audition Required/ Director Approval***

Advanced mixed ensemble (Soprano, Alto, Tenor, Bass) made up of select choral singers. Students are experienced, established, and advanced in all areas of vocal music. An emphasis is placed on the diversity and breadth of traditional choral literature including advanced theory, sight reading, and rhythm reading. This choir includes further study of various choral styles and techniques, musical expression, and performance skills—limited admission by audition process and written approval of the director. Course Offered AS NEEDED. [Return to Previous Page](#)

Varsity Select Choir

2 Semesters

Grades 9-12

FHS/SHS***Prerequisite: Audition Required/ Director Approval***

An elite advanced small ensemble made up of select choral singers. Students are experienced, established, and advanced in all areas of vocal music. An emphasis is placed on difficult renaissance, jazz, contemporary, and traditional choral music literature and includes advanced theory, sight reading, and rhythm reading—limited admission by audition and written approval of the director. Course Offered AS NEEDED. [Return to Previous Page](#)

Theater Arts I

1 Semester

Grades 9-12

FHS/SHS

This introductory class will acquaint students with the following: an overview of the technical theater, the types of theater and their individual structures, and beginning acting techniques. Students will also study a variety of exercises designed to help build an cooperative atmosphere in an ensemble including improvisational acting, and will practice coping skills for dealing with stagefright. [Return to Previous Page](#)

Theater Arts II

1 Semester

Grades 9-12

FHS/SHS***Prerequisite: Theater I***

Theatre Arts II will cover more advanced acting techniques and theater history. Students will learn to analyze a script and then work with that information to create a character on stage. There will be both monologue and scene work. Students will begin techniques in improvisation [Return to Previous Page](#)

ART

Art I

2 Semester
Grades 9-12

FHS/SHS

Art I is an introductory course that emphasizes the Elements and Principles of Art. In this class, students will have the opportunity to create in two-dimensional and three-dimensional formats using a variety of art materials and art techniques. Art vocabulary, aesthetic concepts and aspects of art history will be presented. [Return to Previous Page](#)

LEVEL TWO

Art II

2 Semesters
Grades 10-12

FHS/SHS

Prerequisite: "Successful Completion of Art I"

Art II focuses on developing students' drawing, painting, and compositional skills. Students will create mainly two-dimensional works in a variety of media. [Return to Previous Page](#)

Ceramics

2 Semesters
Grades 10-12

FHS/SHS

Prerequisite: "Successful Completion of Art I"

Ceramics is a specialized art course focusing on hand building techniques of clay. Studio activities will include pinch technique, slab and coil construction, as well as decorative methods. Students will create functional, as well as non-functional pieces, with reference to the elements and principles of art. Non-studio activities will include analyzing works of art and taking written tests. [Return to Previous Page](#)

Photography I

1 Semester
Grades 10-12

FHS/SHS

Prerequisite: "Successful Completion of Art I or Teacher Approval"

Photography I is an introductory course that focuses on composition, styles of photography, the history of photography and basic usage of cameras and photo printers. This course begins primarily with learning the basics of photography and then progresses into assignments and projects that focus on taking digital photos. Cameras are required for this course, though a limited supply is available to borrow. [Return to Previous Page](#)

Photography II

1 Semester

Grades 10-12

FHS/SHS*Prerequisite: Completion of Photography I with a grade of C or higher*

Photography II is a continuation of skills developed in Photography I. More emphasis is put on hands-on projects and independent work. An introduction to photo editing is also part of this course as students learn how to manipulate their photos. Cameras are required for this course, though a limited supply is available to borrow. [Return to Previous Page](#)

Graphic Design I

2 Semesters

Grades 10-12

FHS/SHS*Prerequisite: "Completion of Art I or Teacher Approval"*

Students will use the elements of art and principles of design to create computerized graphics and artworks. Through the use of Adobe Creative Suite computer software programs students will learn to generate, manipulate, and enhance still images and photographs as well as learn to create appealing page compositions, and use typography as a design element. Graphic Design I is a year long class in which passing students will earn one Fine Art or Practical Art credit. [Return to Previous Page](#)

LEVEL THREE**Art III**

2 Semesters

Grades 11-12

FHS/SHS*Prerequisite: Completion of Art II with a grade of C or higher*

In Art III, students will further advance drawing, painting, and design skills to promote personal artistic decision-making and expression. Students will create a portfolio of work showing not only their artistic skills but also their creativity. [Return to Previous Page](#)

Ceramics II

2 Semesters

Grades 11-12

FHS/SHS*Prerequisite: Completion of Ceramics with a grade of C or higher*

Ceramics II is a specialized art course which focuses on accelerated ceramic skills. This course is designed to build and refine the skills learned in Ceramics I. Studio activities will include assemblage, carving, modeling, wheel throwing, and hand-building techniques. Students will learn vocabulary supporting the advanced skill levels relating to techniques unique to ceramics. [Return to Previous Page](#)

Photo III

2 Semesters

Grades 11 -12

FHS*Prerequisite: Completion of Photo I & II with a grade of C or higher*

This is an advanced course in photography, designed to challenge and instruct students who wish to continue advancing their creative photography skills. This course will view photographs as a medium for creative composition and self-expression. Students will be pressed to use higher level thinking and problem-solving skills to produce original and innovative works of art. This group will be encouraged to enter competitions and art shows in order to take their work outside of the school environment. Photography III will also explore the technological advances in photography through the use of digital cameras, scanners and computer software. Students will be required to present a finished, matte portfolio at semester's end. [Return to Previous Page](#)

Sculpture

2 Semesters

Grades 11-12

FHS/SHS*Prerequisite: Completion of Art II with a grade of C or higher*

This course is an advanced study guiding the development of skills relating to three-dimensional art forms. Various media could include plaster, clay, paper/cardboard, wire, wood, and found objects to explore modeling, carving, and construction. Students will learn a vocabulary of sculpture terms and concepts as they relate to the elements and principles of design. Special emphasis is placed on the manipulation of the relationship of mass, space, and form. [Return to Previous Page](#)

Graphic Design II

2 Semesters

Grades 11-12

SHS*Prerequisite: Graphic Design I with a grade of C or higher*

Students will develop advanced technical skills in the use of traditional media, mixed media, and Adobe Software projects. Students will create original designs portraying themes and ideas in art, culture, and society. Students will create designs for specific target markets, develop motion graphics, and package designs. Students will analyze and critique design work in written evaluations and group discussion. [Return to Previous Page](#)

LEVEL FOUR**AP Studio Art**

2 Semesters, Weighted Grade Point

Grades 12

FHS/SHS*Prerequisite: Completion of any Art class in level III with a grade of C or higher*

This course is designed for highly motivated, committed students who are seriously interested in the study of art at the college level. Through studio practice, both teacher guided and independent study, students will assemble a body of artwork that demonstrates a high level of quality in content, technique, and process. A high level of effort is expected and students will need to work diligently both in and outside of the class, as well as complete summer assignments. Students will submit this body of work to the College Board for grading and possible college credit. [Return to Previous Page](#)

Adaptive Art

1 Semester

Grades 10-12

FHS/SHS*Prerequisite: Completion of any Level I with a grade of C or higher****Application Only (Cadet Teach, A+/peer mentoring)***

This course offers students with special needs the opportunity to communicate their individuality through creative expression. The course focuses on providing a more personalized hands-on approach to art-making. This course also provides an opportunity for students interested in service learning and possible A+ hours by assisting students with special needs in the art classroom and helping to plan art lessons. [Return to Previous Page](#)

BUSINESS EDUCATION**Accounting I**

2 Semesters

Grades 9-12

FHS/SHS

Interested in pursuing a business career? Accounting is the fundamental language for all businesses. Every business degree from Marketing to Information Systems requires coursework in accounting. In this class we will cover the basics of accounting and see how they fit into the business world. We will also discuss ethics and current issues in the field of accounting. This course also gives the fundamentals necessary for an entry-level bookkeeping position. [Return to Previous Page](#)

Accounting II

2 Semesters

Grades 10-12

FHS/SHS*Prerequisite: Accounting I*

You've completed Accounting I and still want to develop more accounting skills? This course is a continuation of Accounting I and offers additional discussion of the field of accounting. New topics covered will be inventory valuation, methods of depreciation, corporations, and stocks and bonds.

[Return to Previous Page](#)**Business & Personal Law**

1 Semester

Grades 10-12

FHS/SHS

This course is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers, and employees through a mixture of personal business and consumer law. The content includes the basic characteristics of the American system of free enterprise, rights of private property, basic elements of contracts, employer/employee relations, landlords/tenants, individual rights, estates, family/juvenile law, and community property. [Return to Previous Page](#)

Personal Finance

1 Semester

Grades 10-12

FHS/SHS

½ credit of Personal Finance is required for graduation (this does not count toward a practical arts credit)

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

Finance 150 Dual Credit Personal Finance

1 Semester, Weighted Grade Point

Grades 10-12

½ credit of Personal Finance is required for graduation (this does not count toward a practical arts credit)

FHS/SHS

Prerequisite: GPA 3.0 or above-University Required

Dual Credit: 3 college credit hours available

A study of personal finance topics from the consumer and societal perspectives. Topics include the preparation and interpretation of personal financial statements and budgets, the time value of money, personal saving, financial market and investment fundamentals, the effective use of consumer credit, personal bankruptcy, insurance principles, automotive and housing decisions, principles of personal taxation, and retirement planning. This course will provide students with the concepts and critical thinking skills to understand the effects of financial decisions on individuals, families, and society. Students can register to receive dual credit through Missouri State for 3 college credit hours.

[Return to Previous Page](#)

Business Management and Entrepreneurship

2 Semesters

Grades: 9-12

Recommended for grades 9-10

FHS/SHS

The Entrepreneurship and Business Management Course prepares students for self-employment and careers in businesses. The course includes instruction and training in evaluating business ideas and opportunities, developing skills and understanding the resources necessary to start a business. An introductory course designed to familiarize students with the world of business, and analyze the personal strengths and weaknesses of students relative to launching a career in entrepreneurship. Attention is given to planning, financing, starting and managing a business.

[Return to Previous Page](#)

Graphic Art/Desktop Pub. (Yearbook)

2 Semesters

Grades 10-12

SHS

Approval

In this class students will study the basic principles of scholastic journalism as it applies to yearbook writing and design. Students are required to gather information and take photographs and to know how to use a computer-based publishing program to layout a yearbook spread. Students will also study the ethical and legal issues that affect mass media in today's world. All students are required to participate in ad sales and fundraising to help finance the school yearbook. Grades, ability, attendance and discipline records will be considered for enrollment in this class. [Return to Previous Page](#)

Computer Applications I

1 Semester

Grades 9-12

Recommended for grades 9-10

FHS/SHS

This course is designed for students who need to develop keyboarding skills and want to learn the applications in the Microsoft Office suite. Students will be introduced to Microsoft Word for word processing, Excel for spreadsheet applications, and PowerPoint for professional presentations. They will then use the Microsoft Office applications to create high-quality documents, spreadsheets, and presentations. This course is recommended for students who have NOT taken Business Technology I and Business Technology II in middle school. **This class is recommended for students that have had NO middle school level computer course.** [Return to Previous Page](#)

Computer Applications II

1 Semester

Grades 9-12

Recommended for grades 9-10

FHS/SHS

Pre Req: Computer Applications I or Middle School Business Technology I and II in the middle school

This course is designed for students who are proficient on the keyboard and want to learn advanced skills in the Microsoft Office suite. Students will study the in-depth curriculum of Microsoft Word, Excel, PowerPoint, and be introduced to Microsoft Publisher.

They will apply these computer skills to real-world business tasks creating numerous professional documents. At the end of the semester students will have the opportunity to take any of the Microsoft Office Specialist certifications. (Word, Excel, Powerpoint). [Return to Previous Page](#)

Multimedia

1 Semester

Grades 9-12

FHS/SHS

This course introduces students to the principles, techniques, and tools used in multimedia content creation. Students will explore various multimedia elements, including graphics, audio, video, and interactive applications, and learn to integrate them into compelling multimedia projects using various software formats. Students will use these skills to produce media to be used in business and personal productions. [Return to Previous Page](#)

AP Economics

2 Semesters, Weighted Grade Point

Grade 11-12

6 credit hours available through AP exams

FHS/SHS

Takes place in both Microeconomics and Macroeconomics at college level. In Microeconomics students will gain a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. In Macroeconomics students will gain a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. There are 2 options for a total of 6 college credit hours, the 2 AP exams (Micro and Macro) or 1 AP Exam (Micro) and Dual Credit through MSU (Macro) to be expected with this course in May.

[Return to Previous Page](#)**Business Media and Skills I**

2 Semesters

Grade 11-12

FHS/SHS*Prerequisite: Application & Approval Required*

Be prepared to advance your computer skills for today's global economy. You will practice applications in word processing, spreadsheet, database, multimedia, and desktop publishing. Enhance your employability skills to be prepared for college and future employment in various business occupations. Being organized, having good grades along with good attendance, and attention to details are worthy qualities in this fast paced course. There may be opportunities to travel as well. This course allows underclassmen to be eligible for Business Media and Skills II and work program your junior/senior year. [Return to Previous Page](#)

Business Media and Skills II (Capstone)*

2 Semesters, Weighted Grade Point

Grade 12, with approval

FHS/SHS*Prerequisite: Business Media and Skills I & Approval***Work study available—see Supervised Business Experience (SBE).*

Come behind the scenes of today's businesses, advance to the head of the class in your college courses, and gain the winning edge over other job applicants through the advanced technology and business skills learned in Business Media and Skills II. You'll learn to create and deliver powerful video productions for personal, school and business use as well as utilize desktop publishing skills to create t-shirt designs and magazine covers. You'll make connections with the real world through

opportunities for travel, networking with business leaders. You may opt to gain valuable work experience at local businesses by also enrolling in SBE (Supervised Business Experience).

[Return to Previous Page](#)

Supervised Business Experience (SBE)

2 Semesters

Grade 11-12, with approval

FHS/SHS

Students must also be enrolled in Business Media I Or Business Media II

This paid work internship program is for you if you enjoy working in today's businesses. Be prepared to make the connection with real world expectations in developing positive workplace behaviors that will benefit you in college and on the job. You will earn one unit of credit for Business Media & Skills I or II and one to two units of credit for the SBE Work Program. [Return to Previous Page](#)

Cooperative Career Education (CCE)

2 Semesters

Grade 12, with 2.0 GPA or above & approval

Work Study component required

FHS/SHS

This program is available to senior students. The curriculum emphasizes various aspects of human relations and employment skills that are important for life and successful employment. Practical occupational experience is gained by the supervised activities associated with the approved workstation. Two or three units of credit are earned, one unit for class and one or two for the experiences associated with the job. This is an approval program for both college-bound and non-college bound students. It also includes the opportunity to travel and participate in Skills/USA activities and competitive events. The following will be considered for entrance into the class: school attendance, good citizenship, and a career interest in one or more of the following; building trades, health care, culinary arts, photography, criminal justice, service or manufacturing jobs.

[Return to Previous Page](#)

Marketing I

2 Semesters

Grade: 11-12

FHS/SHS

Teacher Approval

Are you ready to prepare for your business future now? If so, Marketing is the course for you! In Marketing I you will learn the basics of Marketing, Business Ownership, Advertising and Sales. This hands-on course will provide you with all of the tools you need to become successful both in and out of college. While in this class you will also become a member of the DECA organization where you will have opportunities to compete at the local, state, and national levels as well as participate in many social and community service activities. The successful completion of this course will allow you to move on to Marketing II your senior year where you can

get college credit through **Missouri State University**. Seniors entered in Marketing I must also be enrolled in the Marketing Internship course. A job is REQUIRED only for seniors but optional to juniors. [Return to Previous Page](#)

Dual Credit Marketing II

2 Semesters, Weighted Grade Point

Grade 12, Approval

FHS/SHS

Prerequisite: Marketing I with a "C" or above

Dual Credit available through MSU for students with a "B" or above

Are you ready to compete in real-world applications of the curriculum you will be taught? Gear up for Marketing II and enter the world of Lemonade Stands, Window Displays, Fun Food Product Development among other projects! In this class you will be learning more advanced Marketing and Entrepreneurship skills such as Sports and Fashion Marketing, Product Development, and Social Responsibility. You can also be a part of the Marketing Internship program where you can choose to leave school early (or not) and get paid while getting a grade! A job is required. There is 1 unit of credit for Marketing II and 1 or 2 credits for the work internship. While in this class you will also become a member of the DECA organization where you will have opportunities to compete at the local, state and national levels as well as participate in many social and community service activities. **This course meets the requirements for credit through Missouri State University as Marketing 150.** [Return to Previous Page](#)

Marketing Internship

Students must also be enrolled in Dual Credit Marketing II Or Marketing I

2 Semesters

Grade 12

FHS/SHS

This is a paid work internship program for students interested in working with customers, sales, or in a retail setting in an approved workstation. Learn professional work-place behaviors that will help you be successful in college or business. As a member of the DECA organization, you will have opportunities for travel, competition, and social/community activities. Students must be enrolled in a Marketing class in order to participate. One credit will be earned for the Marketing class, while one or two credits are earned for the Marketing Internship work program (depending on hours worked). [Return to Previous Page](#)

INDUSTRIAL TECHNOLOGY

Exploration of Industrial Technology

2 Semesters

Grades 9-12

FHS/SHS

This course is designed to be an exploratory class dealing with different phases of industrial processes. Students will explore multiple areas of industry including drafting and woodworking. The required projects for the course can be provided by the school at no cost to the student. For students that would like to individualize the projects that they are making and receive a more in-depth learning experience, they may choose to purchase more material than what is provided by the school. The cost of the material can range greatly depending on the size and type of

project the student chooses to make. Projects that are paid for by the student become the property of the student at the completion of the course. For safety reasons, the student must pass the first semester before taking the second-semester class. If the student chooses to complete only the bare minimum for the course projects, the remainder of the course will be supplemented with text-based learning material. [Return to Previous Page](#)

Woodworking I

Semesters

Grades 10-12

FHS/SHS

Prerequisite: Exploration of Industrial Technology

This class is the study of tools, material, and processing used in the wood industry. Learning experiences generally include experimenting with, designing, and constructing wood projects. Safety is stressed. There are two required projects for the course that can be provided by the school at no cost to the student. For students that would like to individualize the projects that they are making and receive a more in-depth learning experience, they may choose to purchase more material than what is provided by the school. In general, projects that are made and paid for by the students generally cost around \$100.00-\$200.00. [Return to Previous Page](#)

Woodworking II

2 Semesters

Grades 11-12

FHS/SHS

Prerequisite: Woodworking I

Emphasis in this class is on more advanced types of projects which are constructed with the use of power machinery. There is one required project for each semester. Students are encouraged to design their own projects and work from printed plans. Other materials besides wood may be incorporated in the projects, depending on their availability. Safety is still stressed even though each student has had prior experience with power tools. Students may bring in pieces of furniture to be refinished or repaired. The required projects for the course can be provided by the school at no cost to the student. For students that would like to individualize the projects that they are making and receive a more in-depth learning experience, they may choose to purchase more material than what is provided by the school. In general, projects that are made and paid for by the students cost around \$100.00-\$400.00. [Return to Previous Page](#)

Woodworking III

2 Semesters

Grades 12

FHS/SHS

Prerequisite: Woodworking II

Students need instructor approval to enroll in this section. Emphasis in this class is on more advanced types of projects which are constructed with the use of power machinery. There is one required project for each semester or a year-long project if approved by the instructor. Students are required to design their own projects and work from printed plans. Other materials besides wood may be incorporated in the projects, depending on their availability. Safety is still stressed even though each student has had prior experience with power tools. Students may bring in pieces of furniture to be refinished or repaired. The required projects for the course can be

provided by the school at no cost to the student. For students that would like to individualize the projects that they are making and receive a more in-depth learning experience, they may choose to purchase more material than what is provided by the school. In general, projects that are made and paid for by the students generally cost around \$200.00-\$400.00. [Return to Previous Page](#)

Industrial Metals Tech I

1 semester
Grade 10-12

SHS

Prerequisite: Exploration of Industrial Technology

This course is an exploratory class dealing with metalworking. A student will explore the different properties of metals and what application each type of metal is used for. The student will also design individual plans for each of the projects they will be creating. By the end of this course, the student will understand and realize the importance of metalworking safety, be able to identify and properly use metalworking tools and equipment and understand the different metalworking processes. [Return to Previous Page](#)

Industrial Metals Tech II

1 semester
Grade 10-12

SHS

Prerequisite: Industrial Metal Technology I

This course is a continuation of Industrial Metal Technology I. Students will design individual plans for each of the projects they will be creating. By the end of this course, the student will understand and realize the importance of metalworking safety, be able to identify and properly use metalworking tools and equipment and understand the different metalworking processes.

[Return to Previous Page](#)

FAMILY & CONSUMER SCIENCE

Fashion and Apparel

1 Semester
Grades 9-12

FHS/SHS

Learn how our clothing choices are influenced by history, culture, fibers and textiles, and today's marketplace. Gain experience in wardrobe planning and in making clothing choices based on need, personality, color, style, cost, and quality. Students will explore environmental awareness and its impact on the fashion industry. No sewing experience is needed for this class. [Return to Previous Page](#)

Career Exploration/Entrepreneurship

1 Semester
 Grades 9-12
SHS

This exploratory course is designed to provide students with the opportunity to investigate career clusters and explore career options in all industries. This class will assist students in selecting courses that will best prepare them for success in their chosen career area. Students will be engaged in activities that promote leadership development, career exploration, employability skills, and the balancing of a student's multiple roles in society. [Return to Previous Page](#)

Interior Design

1 Semester
 Grades 9-12
FHS/SHS

This is a course designed to teach students the basics in housing and interior design. Students are encouraged to be creative and imaginative in decorating various rooms. We will study the psychological, social, cultural and economic aspects of family shelter and furnishing of the home. Some of the topics included are architectural styles, use of color, elements and principles of design, backgrounds in rooms and the drawing of floor plans. [Return to Previous Page](#)

Family Living & Parenthood

1 Semester
 Grades 9-12
FHS/SHS

This is a course designed to help students prepare for family living and adult responsibilities. Developed to reinforce positive and thoughtful approaches to life, every component of this class emphasizes realistic examples and relevant activities. This class will discuss and explore various topics and issues related to relationships, values, decision-making, goals, family, parenting skills, and the development of your own character and personality. [Return to Previous Page](#)

Child Development, Care & Guidance

1 Semester
 Grades 9-12
FHS/SHS

This course involves the care, guidance, understanding, and appreciation of children. It is a course to prepare young people for their role as a parent. A child's social, emotional, and physical development from conception through preschool is studied. Such topics as gynecological health, reproduction, teen pregnancy, birth control, pregnancy, labor and delivery, breastfeeding, infancy, toddlerhood, and child abuse are included. [Return to Previous Page](#)

Child Development, Care & Guidance, Advanced

2 Semesters
 Grade 11-12
FHS/SHS

Prerequisite: Child Development I

This course is designed to provide students with the opportunity to work with preschool children; ages 3, 4, and 5; while serving in the capacity of childcare aide and teacher. As a teacher, the student will plan and implement activities for the day when they are in charge of the Lab School. The other students work in the capacity of a child care aide as they carry out the teacher's plan. The Lab School generally operates two days a week with 10 to 15 children from the community. Students will learn about the social, emotional, intellectual, and physical development of the preschool child as well as the operations of a preschool program. Working with these children requires a great deal of patience and understanding. Students must maintain good attendance to be successful in this class. [Return to Previous Page](#)

Pathways to the Teaching Profession/Practicum

2 semesters

Grades 12

FHS/SHS

Prerequisites: Child Care & Development, Advanced Child Development, Teacher Approval

- ***Students must have good attendance, good academic standing, and approval from the teacher to sign up for this class.***
- **Students will be responsible for their own transportation.**

These classes are taught simultaneously. Teaching is projected to be one of the fastest-growing occupations over the next several years and beyond. These courses focus on the general theory and practice of learning and teaching; the basic principles of educational psychology; the art of teaching; the planning and administration of educational activities; school safety and health issues; and the history of education. Students will be placed in an elementary classroom for the Practicum portion of this class. Students will be observing, interacting and teaching in an elementary classroom environment 2-3 days a week. [Return to Previous Page](#)

Nutrition & Wellness

1 Semester

Grades 9-12

FHS/SHS

This course is designed to teach the student about making proper food choices to promote lifelong health and to introduce basic cooking skills. Students will be introduced to nutrition and will apply this knowledge throughout the class. Learning to read and follow simple recipes will be included during the food lab activities, as well as practicing kitchen safety and sanitary food preparation methods. Students will plan, measure, mix, cook and eat the foods we make during lab days. [Return to Previous Page](#)

Advanced Foods

1 Semester

Grades 9-12

FHS/SHS

Prerequisite: Nutrition & Wellness

You must have taken and passed Nutrition and Wellness. This is a second level course for the student who desires to broaden his or her food preparation skills after successfully completing Nutrition and Wellness. Students will develop more challenging food preparation techniques necessary to prepare more difficult food products. Focuses include knife skills, plating & garnishing techniques, food industry knowledge, sauce preparation practices, and baking & decorating abilities. [Return to Previous Page](#)

World Foods

1 Semester

Grades 9-12

FHS/SHS

Prerequisite: Nutrition and Wellness

Students must have taken and passed Nutrition & Wellness. This lab course will focus on the food customs and cultures of countries around the world including China, India, Russia, Italy, Mexico, France, Japan, Germany, Greece, and Africa. Students will explore the nutritional values, meal patterns, and food preparation methods of each country. [Return to Previous Page](#)

Adaptive Nutrition & Wellness

Grades 10-12

FHS/SHS

Prerequisite: C or better in Nutrition & Wellness for Cadet Students

(By Application Only, Cadet Teaching, A+/peer mentoring)

Adaptive Nutrition & Wellness is a class where experienced FACS student mentors will work directly with special needs students in a Culinary Class setting to practice preparing foods & making healthy food choices. The mentors may also be responsible for helping the classroom teacher plan, prepare and teach lessons. Mentor students need to have prior approval and will be selected by the FACS department through an application process. This class needs hardworking, positive and enthusiastic students who are interested in this rewarding opportunity! [Return to Previous Page](#)

PROJECT LEAD THE WAY**PLTW Computer Science Pathway****Computer Science Essentials**

2 Semesters Weighted Grade Point

Grades 9-12

FHS/SHS

With emphasis on computational thinking and collaboration, this year-long course provides an excellent entry point for students to begin or continue the PLTW Computer Science PreK-12 experience. Computer Science Essentials will expose students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build

confidence.

In Computer Science Essentials, students will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python to create apps and develop websites, and learn how to make computers work together to put their design into practice. They'll apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them.

Computer Science Essentials helps students create a strong foundation to advance to Computer Science Principles, Computer Science A, and beyond. [Return to Previous Page](#)

AP Computer Science Principles (CSP)

2 Semesters Weighted Grade Point

Grades 10-12

FHS/SHS

Prerequisite: Computer Science Essentials

CSP with Python. Open doors in any career with computer science! Computer Science Principles provides students with a broad exposure to the many aspects of computer science while encouraging creativity, socially responsible choices, and ethical behavior. It inspires algorithmic and computational thinking, helping students see themselves in a career path they might not have initially chosen. This course aligns with the AP Computer Science Principles course. This course is recommended for all career paths and not just those looking at technology. Students planning on taking CSA should start here. This course can also be taken for dual credit.

[Return to Previous Page](#)

AP Computer Science A

2 Semesters Weighted Grade Point

Grade 10-12

FHS/SHS

Prerequisite: CSE or AP CSP.

JAVA (Coding). AP Computer Science A focuses on learning and using the Java Programming Language. Fundamental topics in this course include design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. This course is perfect for students planning on studying math or science in college as well as those who are planning on majoring in computer science. This is an academically challenging course. This course can be taken for dual credit.

[Return to Previous Page](#)

Cyber Security

2 Semesters Weighted Grade Point

Grade 10-12

FHS/SHS*Prerequisite: Computer Science Essentials*

Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely. (Dual credit is available when students complete two of the following courses and meet all requirements in IED, POE, AE, CEA). [Return to Previous Page](#)

PLTW Engineering Pathway**Introduction to Engineering Design (IED)**

2 Semesters Weighted Grade Point

Grade: 9-12

FHS/SHS

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work. (Dual credit is available when students complete two of the following courses and meet all requirements in IED, POE, AE, CEA) [Return to Previous Page](#)

Principles of Engineering (POE)

2 Semesters Weighted Grade Point

Grades 10-12

FHS/SHS*Prerequisite: Intro to Engineering or Algebra I with a C or better*

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. This course allows you to design and build many different projects. You can see your ideas come to life. This is an academically challenging and weighted course for GPA. Many colleges award credit for successful completion of this course. (Dual credit is available when students complete two of the following courses and meet all requirements in IED, POE, AE, CEA) [Return to Previous Page](#)

Civil Engineering and Architecture

2 Semesters Weighted Grade Point
Grade 11-12 (sophomores with instructor approval)

FHS/SHS

Prerequisites: IED & POE (suggested)

Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software. (Dual credit is available when students complete two of the following courses and meet all requirements in IED, POE, AE, CEA) [Return to Previous Page](#)

Aerospace Engineering-(24-25)

2 Semesters Weighted Grade Point
Grades 10-12

FHS/SHS

Prereqs: Principles of Engineering.

Aerospace Engineering ignites students' learning in the fundamentals of atmospheric and space flight. Aerospace Engineering is one of the specialization courses in the PLTW Engineering program. The course deepens the skills and knowledge of an engineering student within the context of atmospheric and space flight. Students explore the fundamentals of flight in air and space as they bring the concepts to life by designing and testing components related to flight such as an airfoil, propulsion system, and a rocket. They learn orbital mechanics concepts and apply these by creating models using industry-standard software. They also apply aerospace concepts to alternative applications such as a wind turbine and parachute. Students simulate a progression of operations to explore a planet, including creating a map of the terrain with a model satellite and using the map to execute a mission using an autonomous robot. (Dual credit is available when students complete two of the following courses and meet all requirements in IED, POE, AE, CEA) [Return to Previous Page](#)

WORLD LANGUAGES**French I**

2 Semesters
Grades 9-12

FHS/SHS

This class introduces basic speaking, listening, reading and writing skills in French. The class practices proper pronunciation, vocabulary building, grammar skills and conversation in the present, past and future tenses. Cultural differences between France and America are explored. Class participation is required. Individualized expression is stressed. Students should expect nightly homework and considerable memorization assignments. [Return to Previous Page](#)

French II

2 Semesters

Grades 10-12

FHS/SHS

Prerequisite: French I

This class continues the development of French grammar, vocabulary, cultural and conversational skills. Homework is still required to reinforce skills introduced in class. [Return to Previous Page](#)

French III

2 Semesters, Weighted Grade Point

Grades 11-12

FHS/SHS

Prerequisite: French II

French III is an honors weighted class, which continues the work on language skills begun in French I and II. To continue successfully, students should earn a “C” or better in the introductory courses. Some review of basic grammar from the first two years is done, but much of that work is expected of students outside of class. An accelerated, in-depth study of the remaining points of French grammar is conducted in class. As this is an honors class, a considerable amount of study and homework is demanded of students. Oral participation in class is also expected. Some literature and history are covered seriously as an introduction to college-style study. Enrollment for five hours of advanced college credit is also available from the University of Missouri-St. Louis provided the student meets the basic criteria of successful completion of French I and II and an overall grade point average of 3.0 on a 4.0 scale. Once enrolled, the student must earn at least a “C”, in order to receive the advanced college credit (equivalent to the course French 001). The instructor or counselor can provide details. [Return to Previous Page](#)

French IV

2 Semesters, Weighted Grade Point

Grade 12

FHS/SHS

Prerequisite: French III

French IV is an honors weighted class open only to seniors who have previously completed French III. Further work is done on grammar, particularly the difficult points, but the approach is largely an oral one. Much emphasis falls upon correct conversational use of the language. Expansion of vocabulary is stressed. Literature and current events readings are used as the springboard for class discussion and for learning the art of French composition in the target language. The class culminates with the reading, discussion and in-depth analysis of a college curriculum novel in French. Students are encouraged to buy their own copy of the novel, although this purchase is not required. Only serious students are encouraged to take this class, which requires a lengthy in-French essay as the final exam. Students may also earn five college credit hours for successful completion of the course French 002 with a grade of “C” or above.

The prerequisite for enrollment for college credit is successful completion of French III for college credit, with a grade of “C” or better and enrollment in the program. [Return to Previous Page](#)

German I

2 Semesters

Grades 9-12

FHS/SHS

This is an introductory course, designed to develop the appreciation of another culture through its language. The goal of the course is to use all available resources in order to promote student ease with the language, whether speaking, listening, reading, or writing. Class participation is required. Students are expected to spend 15-20 minutes per night learning vocabulary and reviewing new material. [Return to Previous Page](#)

German II

2 Semesters

Grades 10-12

FHS/SHS

Prerequisite: German I

Student ease with the language and an appreciation of other cultures are basic goals of this course. The course itself consists of an expansion of the vocabulary and structure learned in German I, as well as the introduction of concepts essential for effective communication in daily situations. [Return to Previous Page](#)

German III

2 Semesters, Weighted

Grades 11-12

FHS/SHS

Prerequisite: German II

The language is covered in more specific detail and polishes and reviews skills learned in German I and II. There is a strong emphasis on speaking and writing. College-level materials, along with the textbook and outside resource materials will be used. A longer piece of authentic German literature will be studied for the first time to gain confidence in the language and to contribute to their understanding of German culture [Return to Previous Page](#)

German IV

2 Semesters, Weighted

Grade 12

FHS/SHS

Prerequisite: German III

German IV emphasizes the reading of German literature in the form of plays, novels, and poetry. Major German authors are studied in this honors weighted class. There will also be spontaneous conversation in German on current topics. Students will read a German novel of their choice, with teacher approval and write a 4-5 page typed paper in German about their novel. Much of this reading will be done outside of class. There will also be a plethora of materials used, from realia to media and the internet. [Return to Previous Page](#)

Spanish I

2 Semesters

Grades 9-12

FHS/SHS

This is an introductory course, designed to develop an appreciation of another culture through its language. The goal of the course is to use all available resources in order to promote student ease with the language, whether speaking, listening, reading, or writing. Class participation is required. Students are expected to spend 15-20 minutes per night learning vocabulary and reviewing new material. [Return to Previous Page](#)

Spanish II

2 Semesters

Grades 9-12 (Available for 9th-grade students who completed Spanish B in 8th-grade)

FHS/SHS

Prerequisite: Spanish I

This course involves a more specific study of Spanish grammar, conversation, reading and translation. There is an emphasis on verb tenses and more difficult grammar concepts. Vocabulary memorization is an essential part of this course also. Since the material becomes increasingly more difficult, a good basic understanding of Spanish I is necessary if a student is to be successful with Spanish II. Homework is a requirement of this class. [Return to Previous Page](#)

Spanish III

2 Semesters, Weighted Grade Point

Grades 10-12

FHS/SHS

Prerequisite: Spanish II

Spanish III is an honors weighted class designed for the serious Spanish student willing to participate in daily work and projects on an honors level. Spanish I and II grammar skills are reviewed and enhanced. Vocabulary, translation, oral work, as well as Spanish literature and culture, will be emphasized in this course. Students should expect to perform at a much higher level than in the previous two Spanish courses of study. This course is also offered for advanced college credit through the University of Missouri-St. Louis. Once enrolled, students may earn five college credit hours for successful completion of the course, Spanish 001, with a grade of "C" or above. The prerequisite for enrollment for college credit is successful completion of Spanish I and II and an overall grade point average of 2.5 on a 4.0 scale. [Return to Previous Page](#)

Spanish IV

2 Semesters, Weighted Grade Point

Grade 11-12

FHS/SHS

Prerequisite: Spanish III

Spanish IV is an honors weighted class open to those students who have successfully completed Spanish III. Emphasis is placed on increasing oral and written proficiency in Spanish. Group and individual activities are varied and include a review of all verb tenses in the indicative and subjunctive moods and several works of Spanish and Latin American literature for the advanced student. Other activities will include practice to improve skills in Spanish composition and the study of history and culture. This course is also offered for advanced college credit Spanish 002 through the University of Missouri-St. Louis. Students may earn five college credit hours for successful completion of the course, with a grade of “C” or better. The prerequisite for enrollment for college credit is successful completion of Spanish III for college credit, with a grade of “C” or above. [Return to Previous Page](#)

Spanish V

2 Semesters, Weighted Grade Point

Grade 12

FHS/SHS

Prerequisite: Spanish IV

Spanish V is an honors weighted class open to those students who have successfully completed Spanish IV. Emphasis is placed on increasing communication in Spanish. Group and individual activities are varied and include a review of the subjunctive moods along with exposure to Spanish realia. Other activities will include practice to improve skills in Spanish composition and the study of history and culture. This course is also offered for advanced college credit Spanish 003 through the University of Missouri-St. Louis. Students may earn three college credit hours for successful completion of the course, with a grade of “C” or better. The prerequisite for enrollment for college credit is successful completion of Spanish IV for college credit, with a grade of “C” or above. [Return to Previous Page](#)