
KIRKWOOD HIGH SCHOOL

**COURSE DESCRIPTION BOOK
2026 – 2027**



**800 DOUGHERTY FERRY ROAD
KIRKWOOD, MO 63122**

MISSION STATEMENT KIRKWOOD SCHOOL DISTRICT

**TO EQUIP STUDENTS WITH THE SKILLS, KNOWLEDGE AND UNDERSTANDING
TO BE EMPATHETIC, SUCCESSFUL, AND TO VALUE ALL PEOPLE.**

(Approved by the Kirkwood School District Board of Education Spring 2021)

The Kirkwood School District strictly prohibits discrimination and harassment against employees, students or others on the basis of race, color, religion, national origin, age, disability, or sex including pregnancy, sexual orientation, and gender identity and other characteristics protected by law. The following individuals have been designated to handle inquiries regarding the non-discrimination policies: For student issues, please contact Dr. Matt Bailey at 314-213-6106. For employee issues, please contact Dr. Brian Rich by calling 314-213-6103.

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(Updated 8/20/2026)

**KIRKWOOD HIGH SCHOOL
800 DOUGHERTY FERRY ROAD
KIRKWOOD, MISSOURI 63122**

Dr. Seth Harrell, Principal

Dr. Mike Gavin, Associate Principal

Alex Clark, Assistant Principal

Dr. Courtney Ford, Assistant Principal

Stephanie Owens, Assistant Principal

Dr. Shiree Yeggins, Assistant Principal

Colleen Card, Special Education Coordinator

Corey Nessler, Athletic Director

Brad Sutterer, Assistant Athletic Director

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WHAT'S NEW IN THIS YEAR'S COURSE GUIDE?

NEW Course Offering:

- **AP Business and Personal Finance (page 66)** is a new, year long Business course, offering experience in marketing, management, finance, personal budgeting, and entrepreneurship. Students will earn their personal finance credit by taking this course.
- **Walking for Fitness (page 83)** is a new, half credit PE course, only offered during the Fall semester. Students will develop the knowledge and skills for an active lifestyle through walking and other low-impact exercises.
- **Yoga for Fitness and Wellbeing (page 83)** is a new, half credit PE course, offering students the opportunity to reduce stress and enhance strength, balance, flexibility, and self-confidence through the practice of yoga.

Course Changes:

- **Biology and Biology Honors (page 37)** will now be the Science courses offered to incoming freshmen. Physics and Accelerated Physics will not be offered this year.
- **Child Development III (page 75)** is the new name for the course previously called Independent Child Development.
- **Employment Internship (page 106)** is the new name for the opportunity to earn high school credit for working outside of school. This was previously called Work Study. It will now be taken virtually through Launch - Springfield Public Schools.
- **Lifetime Fitness (page 83)** will now only be offered during the Spring semester, in person. The PeLA virtual option (page 119) will continue to be offered both semesters and in the summer as well.

Courses on Rotation:

- **ENGINEERING (page 70) - Digital Electronics (DE)** will be available for 2026-2027.
 - Computer Integrated Manufacturing - Robotics (CIM) will not be available until 2027-2028.
- **SOCIAL STUDIES (page 45) - AP Human Geography** will be available for 2026-2027.
 - AP World History: Modern will not be available until 2026-2027.

Change to Credit Category Requirements for Graduation: (page 4)

- Starting with the class of 2027, KHS students will be required to take one full practical art credit to graduate. The total number of credits (24) has not changed. This requirement is set by the Missouri Department of Elementary & Secondary Education.

A NOTE TO PARENTS

The education of your child is a cooperative venture. Together we can assist each student to make wise choices in the selection of courses that will stimulate his or her intellectual growth and contribute toward the fulfillment of future goals.

We believe every student can learn and achieve academic success. We expect and demand much from our students and ourselves. We also expect and appreciate parental commitment and support in the education of your child. Your student's Academic/Personal High School Counselor is assigned according to his/her grade level. The Grade Level Administrator and the Grade Level Counselor work together as a team to provide the most effective academic and emotional support for your child.

Freshman Team:	Dr. Courtney Ford, Assistant Principal Mr. Joe Fisch, Counselor
Sophomore Team:	Ms. Stephanie Owens, Assistant Principal Ms. Rachel Cosic, Counselor
Junior Team:	Mr. Alex Clark, Assistant Principal Ms. Robin Kennedy, Counselor
Senior Team:	Dr. Mike Gavin, Associate Principal Mr. Matt Earnhart, Counselor
College Counselors:	Ms. Abby Peterson Mr. Taylor Sebestik
Pioneer Pathways (Alternative Education)	Dr. Shiree Yeggins, Assistant Principal Ms. Kimberly Thomas, Alternative Education Counselor Ms. Amber Kapral, Advisor & Testing Coordinator

EIGHTH GRADE STUDENTS AND PARENTS

Middle School and High School Counselors will assist current Kirkwood eighth grade students in course selections for the ninth grade 2026-2027 school year in February. Students who will be new to the Kirkwood School District should call the high school counseling department at (314) 213-6100 x1047 to schedule an appointment. A counselor will assist students and parents in making course selections and will answer questions and arrange a tour of the building.

GRADUATION REQUIREMENTS

Credits earned towards graduation and applied toward requirements may be accumulated in fractional amounts. When content area credit requirements are satisfied, additional courses in the subject will be delegated an elective credit. Students will comply with all state required testing as well as the preceding graduation requirements.

<u>CREDIT REQUIREMENTS</u>		<u>ADDITIONAL REQUIREMENTS</u>
English	4 credits	Complete the following End-of-Course Assessments (EOCs)
Mathematics	3 credits	• Algebra
Science	3 credits	• Biology
Social Studies	3 credits	• English II
Fine Arts	1 credit	• Government
Practical Arts	1 credit	Pass the US and Missouri Constitution tests
Personal Finance	.5 credit	Pass the Missouri Civics test
Physical Education	1 credit	CPR training and experience
Health	.5 credit	
Electives	7 credits	
TOTAL	24 credits	

Furthermore, the following specific conditions shall apply:

GENERAL PROVISIONS (Kirkwood School District Policy)

A. Students must attend Kirkwood High School one full year to be eligible for graduation. The high school principal may waive this rule for students who move into the district during their senior year.

B. A student enrolling at the high school level who is coming from a home school/non-accredited program is eligible for a diploma only if he/she has attended Kirkwood High School for one full school year. The student must also earn the necessary units of credit required to graduate and satisfy the general provisions outlined in the Kirkwood High School course description guide.

C. When the IEP (Individual Education Plan) for a student identifies content related goals and objectives that are substantially different from the established minimum course requirements and competencies, MODIFIED credit will be earned and noted on the student's transcript.

SCHEDULE CHANGE (ADD/DROP) POLICY

A considerable amount of time and effort has gone into developing student schedules from the requested and alternate courses. We believe it is important for students to take the registration process seriously and want them to be responsible for the decisions they make about the courses they request for the upcoming year. Therefore, we will provide numerous opportunities for students and parents to work with teachers and counselors during the course selection process to verify the requests. **Once students receive their schedules, schedule changes will only be permitted for the following reasons:**

1. **The student has been misplaced (the class is above/below student's comprehension level per teacher recommendation, or does not have prerequisites).**
2. **The student has already taken the class and passed it.**
3. **The student had the teacher previously and there is a documented behavior conflict.**
4. **The student had the teacher in a previous class and failed.**
5. **The student has an incomplete schedule.**
6. **After the first three days of the semester, students must complete an Add/Drop form from the Guidance office in order to change a course. Signatures from the parent, student, teacher, and administrator are required for approval.**

DROP POLICY

If a course is dropped during the first quarter of the semester, no record of the student's enrollment in the course is made. **If a course is dropped *after* the first quarter of the semester, the grade is recorded on their transcript as an E.**

Students that drop an **AP** or **Honors** level course into a regular course must be aware of the following grading policies:

- *Drops within the first ten (10) days of the semester:* Students will move into a regular section of study with no transfer of grade. Students will be responsible for making up work that the teachers deem necessary.
- *Drops after ten (10) days of the semester (prior to end of quarter):* Students will move into the regular section of the course. Any grades that were documented/earned in AP/Honors will transfer as is. Weights will not be added to the students grades if transferring out of an AP or Honors class. Transfer of grades will be facilitated and coordinated by counselors/teachers. Students will be provided any material missed while enrolled in AP/ Honors level course that will be needed to show mastery in passing the course.

GRADING SYSTEMS & POLICIES

GPA HONORS

- Kirkwood High School uses the Cum Laude honors system to recognize academic achievement. Students who earn distinction under the Cum Laude system will be given a color cord at graduation and acknowledgement in the graduation program.
 - Cum Laude: 3.0 - 3.49
 - Magna Cum Laude: 3.5 - 3.9
 - Summa Cum Laude: 4.0+

KHS GRADING SYSTEM

- Kirkwood High School uses a four point (weighted) grading system.
- Grades of A, B, C, D, and P are passing grades.
- A grade of "F" carries no credit.
- A Pass ("P") grade may be used for special and/or extenuating circumstances and must be approved by the grade level administration and counselor.
- Pass grades are not used in computing grade-point averages.

FAILED CLASSES

- A student who receives an "F" in a required subject must repeat and pass that course to fulfill graduation requirements.
- Students who choose to retake a course at Kirkwood High School in which they have previously failed, will earn the "new" grade and will be calculated into the student's GPA. The original grade (F) will remain on the student's transcript but it will not be calculated into the student's GPA.

RETAKING A CLASS

- If a student wishes to re-take a course in which the student has earned a "D -" or better, a request must be submitted to and approved by the grade level guidance counselor. The original grade will remain on the student's transcript but only the better grade of the two will be factored into the student's GPA.
- Class must be taken as an enhancement class.

TRANSFER STUDENTS & TRANSFER CREDITS

- Course placement for transfer students will be considered on an individual basis.
- Kirkwood High School will award credit to transfer students for courses completed at an approved accredited educational institution that has been accredited by Cognia, Independent Schools Association of Central States (ISACS), or the University of Missouri Committee on Accredited Schools. Coursework completed through non-accredited institutions or programs will not appear on the Kirkwood High School official transcript.
- Students transferring credit to Kirkwood will have their GPA recalculated based on KHS courses and grading system. This is especially true for weighted courses.
- Weighted credit will only be issued for courses that KHS offers for weighted credit.

GRADING SYSTEMS

KHS Grading: System

Grade Values				Grading Scale					
A	=	4.00	C-	=	2.00	A	= 93-100	C-	= 70-72
A-	=	4.00	D+	=	1.50	A-	= 90-92	D+	= 68-69
B+	=	3.50	D	=	1.00	B+	= 88-89	D	= 63-67
B	=	3.00	D-	=	1.00	B	= 83-87	D-	= 60-62
B-	=	3.00	P	=	0	B-	= 80-82	F	= 59 and below
C+	=	2.50	F	=	0	C+	= 78-79	P	= Pass, Credit Given
C	=	2.00	I	=	0	C	= 73-77	P	= No Grade Point Value

KHS Grading: System for Honors

Grade Values					Grading Scale						
A	=	4.33	C-	=	2.33	A	=	93-100	C-	=	70-72
A-	=	4.33	D+	=	1.50	A-	=	90-92	D+	=	68-69
B+	=	3.83	D	=	1.00	B+	=	88-89	D	=	63-67
B	=	3.33	D-	=	1.00	B	=	83-87	D-	=	60-62
B-	=	3.33	F	=	0	B-	=	80-82	F	=	59 and below
C+	=	2.83	I	=	0	C+	=	78-79	P	=	Pass, Credit Given
C	=	2.33				C	=	73-77	P	=	No Grade Point Value

KHS Grading: System for Advanced Placement

Grade Values					Grading Scale						
A	=	4.50	C-	=	2.50	A	=	93-100	C-	=	70-72
A-	=	4.50	D+	=	1.50	A-	=	90-92	D+	=	68-69
B+	=	4.00	D	=	1.00	B+	=	88-89	D	=	63-67
B	=	3.50	D-	=	1.00	B	=	83-87	D-	=	60-62
B-	=	3.50	F	=	0	B-	=	80-82	F	=	59 and below
C+	=	3.00	I	=	0	C+	=	78-79	P	=	Pass, Credit Given
C	=	2.50				C	=	73-77	P	=	No Grade Point Value

COURSES WITH WEIGHTED GRADES

Advanced Placement Courses (AP)

The Advanced Placement (AP) Program is a nationwide program of college level courses and exams for secondary school students. AP courses are taught on the college level. Colleges and universities can receive the AP examination grades and use them as a basis for granting credit and/or placement to entering students whose scores meet their requirements. Students will be required to sign up for an AP exam in November to avoid a late fee. AP exam scores are highly recognized and honored by most colleges and universities in the United States. Before taking an AP course, the student is advised to contact the college or university she/he plans to attend concerning the status of credit by examination at that particular school. Students in AP courses who earn a C- or above will receive an additional weight of .50 added to their GPA. Kirkwood High School encourages ALL students to take the National Advanced Placement tests offered by the Educational Testing Service.

Honors Courses

An honors level course is, in general, a more challenging level of a course. Students can expect to spend more time on completing the necessary work in an honors course. In an honors level course, complete mastery of previous courses is assumed so there is very little review of previous courses at the beginning of the year. The ability to read and interpret textual material is expected. The honors level course also proceeds at an accelerated pace, so additional topics are usually covered. The topics are taught with a greater level of rigor—more “abstract” applications of concepts is the general rule. Students in honors level courses who earn a C- or above will receive an additional weight of .33 added to their GPA.

Kirkwood High School offers the following:

Advanced Placement courses:

AP Language and Composition
AP Literature and Composition
AP Business with Personal Finance
AP Computer Science Principles
AP Drawing
AP 2-D Art and Design
AP 3-D Art and Design
AP Art History
AP Calculus AB
AP Calculus BC
AP Statistics
AP Biology
AP Chemistry
AP Physics 1
AP United States Government & Politics
AP United States History
AP World History: Modern
AP Psychology
AP Human Geography
AP French Language & Culture
AP Spanish Language & Culture
AP German Language & Culture

Honors courses:

Freshman Literature & Composition Honors
Sophomore Literature & Composition Honors
Magazine Journalistic Writing II Honors
Newspaper Journalistic Writing II Honors
Geometry Honors
Algebra II Honors
Precalculus Honors
Chemistry Honors
Biology Honors
Chinese III Honors
Chinese IV Honors
French III Honors
French IV Honors
German III Honors
German IV Honors
Spanish III Honors
Spanish IV Honors

AP COURSES vs. DUAL CREDIT COURSES

The chart below was created to help students and families make decisions about taking an AP Course versus a dual enrollment course.

	<u>Advanced Placement(AP)</u>	<u>Dual Credit</u>
Description	The AP Program allows students to take college-level exams, and potentially earn college credit or placement while still earning high school credits.	Dual Credit classes allow high school students to earn both high school and college credit by completing college courses at their high school.
Credit	College credit is earned when students pass the AP examination administered globally by the College Board. Individual colleges and universities grant credit based on their own minimum scores.	Credit is awarded by the partner university (Missouri State, University of Missouri St. Louis, Missouri University of Science and Technology) and their student letter grade is given by their high school teacher of record. The credit and grade is included on the college transcript when complete.
Teachers/ Curriculum	The course is taught by high school faculty using the rigorous curriculum provided by AP.	Dual credit courses are taught by high school teachers who also serve as adjunct college instructors using the curriculum approved by the university.
College/ University Acceptance	Credit is accepted by many colleges and universities. Credit typically requires a score of 3 or higher out of a total of 5 on the exam. Verify with specific schools to be certain.	Dual credit classes transfer to most public colleges and universities in MO. Verify with specific schools to be certain.
Eligibility	Open to any students who take an AP class at KHS.	Open to any students who meet the prerequisites set by the partner university, including minimum GPA, and possible recommended ACT scores
Cost	The costs of AP exams are incurred by the student. Subsidies may be available for students demonstrating financial need. The 2025-2026 estimated exam rate is \$103	Students are responsible for tuition at the rate set by the partner university. The rate is typically much less than the on-campus rate per credit hour.

FAQ's:

Are 9th grade students eligible for dual credit courses?

It is strongly recommended that 9th graders wait until their sophomore year to take a class offered for dual credit. Per the state of Missouri, freshman are required to have taken the ACT and scored in the 90th percentile to meet the state's requirements.

What are the benefits of taking an AP or dual credit course?

Exposure to college-level instruction! Enrolling in a postsecondary institution or taking a class equivalent to college curriculum while in high school gives students the experience of taking a college level class.

AP COURSES vs. DUAL CREDIT COURSES

What is the first step to register for both or either an AP exam or a dual credit class?

AP: Students will register through their MY AP Account that they have created in their AP classes. Late fees become assigned if students register in November. Students register for the exam via "My AP" and payment for the exam(s) will be through "Total Registration."

Dual credit: Students will need to create a dual credit account from the universities website in which they are getting credit from. Parent/guardian consent will be required before applications can be completed. Institutions will bill for the credit after the initial registration.

When do I have to register? Are there deadlines?

Students that register for an AP exam in November will incur a late registration fee.

Each institution (college/university) will have deadlines associated with registration. Check with your teacher or go to that institution's dual credit website to become familiar with dual credit application deadlines.

Dual Credit versus AP Classes- Which should you choose?

-In AP classes, the results of one test determine whether or not you receive college credit. In dual enrollment, multiple factors count towards a student's final grade.

-Dual enrollment tends to be more expensive than the cost of the AP test

-AP classes may be easier to add to a student's existing schedule; dual enrollment is not as standardized in accessibility.

-Taking either or both dual credit and/or AP classes may help you stand out in your applications to certain colleges and universities.

COLLEGE CREDIT PROGRAMS

Dual Credit classes provide opportunities for students to take college courses on our high school campus. Benefits of taking dual credit classes include an advanced start on college credits, reduced costs, and the challenge of completing university coursework while in high school. ***Dual credit availability is subject to change.***

Student Eligibility:

- Juniors and Seniors with at least a 3.0 cumulative GPA (on a 4.0 scale) are eligible for dual credit.
- Juniors and Seniors with at least a 2.5 are eligible for dual credit with permission from their counselor/principal/teacher and their parent/guardian.
- Sophomores with at least a 3.0 are eligible for dual credit with permission from their counselor/principal/teacher and their parent/guardian.
- Freshmen with at least a 3.0, a score at the 90th percentile or above on the ACT or SAT and permission from their counselor/principal/teacher and their parent/guardian.

Please note: Approved courses taken on college campuses will only be issued weighted credit if KHS offers that course for weighted credit.

COLLEGE CREDIT PROGRAMS

The following universities/colleges offer dual credit at Kirkwood High School:

Missouri State University Dual Credit Courses

KIRKWOOD COURSE TITLE	MISSOURI STATE COURSE TITLE	CREDIT HRS.
Accounting I	ACC109 The Accounting Cycle	1
Advanced Marketing	MKT150 Marketing Fundamentals	3
Anatomy & Physiology I & II	BMS110/111 Introduction to Human Biology + Lab	4
AP Biology	BIO121 General Biology I	4
AP Business with Personal Finance	(Pending Approval)	
AP Chemistry - Semester 1	CHM160/161 General Chemistry I + Lab	5
AP Chemistry - Semester 2	CHM170/171 General Chemistry II Lecture + Lab	4
AP Human Geography	GRY100 World Regional Geography	3
AP Language & Composition - Semester 1	ENG110 Writing I	3
AP Language & Composition - Semester 2	ENG210 Writing II	3
AP Literature & Composition - Semester 1	ENG200 Great Books and Instant Classics	3
AP Literature & Composition - Semester 2	ENG282 Literature by Women	3
AP Psychology	PSY121 Introductory Psychology	3
Business Communications	MGT286 Business Comm and Prof Development	3
Child Development I	CFD160 Principles of Development in Early Childhood	3
Child Development II	CFD260 Observe, Create Activities for Young Children	4
Chinese III Honors	CHI102 Elementary Chinese II	3
Chinese IV Honors	CHI201 Intermediate Chinese I	3
Computer Applications I & II	ITC200 Critical and Creative Thinking Using IT	3
Drama I	THE101 Introduction to Theatre and Drama Arts	3
Economics	ECO165 Principles of Microeconomics	3

COLLEGE CREDIT PROGRAMS

Missouri State University Dual Credit Courses (continued)

KIRKWOOD COURSE TITLE	MISSOURI STATE COURSE TITLE	CREDIT HRS.
Entrepreneurship	BUS135 Introduction to Business	3
French III Honors	FRN102 Elementary French II	3
French IV Honors	FRN201 Intermediate French I	3
AP French Language & Culture	FRN202 Intermediate French II	3
German III Honors	GRM102 Elementary German II	3
German IV Honors	GRM201 Intermediate German I	3
AP German Language & Culture	GRM202 Intermediate German II	3
Intro to Fashion & Interior Design	DFM103 Fashion Visuals	3
Music Theory	MUS103 Theory & Musicianship I	3
Personal Finance	FIN150 Personal Finance	3
Public Speaking	COM115 Fundamental Public Speaking	3
Senior Lit & Comp I - Semester 1 (Philosophy & Culture)	ENG200 Great Books and Instant Classics	3
Senior Lit & Comp I - Semester 2 (Philosophy & Culture)	ENG289 Literature Culture and Social Justice	3
Senior Lit & Comp II - Semester 1 (Monsters & Madness)	ENG200 Great Books and Instant Classics	3
Senior Lit & Comp II - Semester 2 (Monsters & Madness)	ENG289 Literature Culture and Social Justice	3
Senior Lit & Comp III - Semester 1 (Creative Writing & Contemporary Lit)	ENG200 Great Books and Instant Classics	3
Senior Lit & Comp III - Semester 2 (Creative Writing & Contemporary Lit)	ENG289 Literature Culture and Social Justice	3
Spanish III Honors	SPN102 Elementary Spanish II	3
Spanish IV Honors	SPN201 Intermediate Spanish I	3
AP Spanish Language & Culture	SPN202 Intermediate Spanish II	3
Startup!	BUS135 Introduction to Business	3

COLLEGE CREDIT PROGRAMS

Missouri University of Science & Technology

KIRKWOOD COURSE INFORMATION	MISSOURI S&T COURSE TITLE	CREDIT HRS.
Students attending Missouri S&T after graduation are eligible to receive dual credit for MECH ENG 1720, a 3 credit hour freshman course required of all Missouri S&T engineering majors. Students must take TWO of the following KHS courses to meet the dual credit requirements:		
- Introduction to Engineering Design - Principles of Engineering, Aerospace Engineering - Civil Engineering & Architecture - Computer Integrated Manufacturing - Digital Electronics - Engineering Design and Development - Environmental Sustainability	MECH ENG 1720: Introduction to Engineering Design	3
AP Computer Science Principles	IS&T 1312: Computer Programming Exposure	3

University of Missouri St. Louis (UMSL) Dual Credit Courses

KIRKWOOD COURSE TITLE	UMSL COURSE TITLE	CREDIT HRS.
Calculus	MATH1800 Analytic Geometry & Calculus I	5
AP Calculus AB	MATH1800 Analytic Geometry & Calculus I	5
AP Calculus BC	MATH1900 Analytic Geometry & Calculus II	5
AP Statistics	MATH1320 Introduction to Probability and Statistics	3
Ceramics II	START2270 Ceramics I	3
Drawing II	START1140 Drawing I	3
Painting	START2245 Painting I	3
Sculpture	START2275 Sculpture I	3
AP Art History - Semester 1	ARTHS1100 Introduction to Western Art	3
AP Art History - Semester 2	ARTHS2280 Modern to Contemporary Art	3
AP 2-D Art and Design	START1150 2D Design: Surface	3
AP 3-D Art and Design	START1151 3D Design: Space	3
AP Drawing	START2230 Drawing II	3

COURSE SELECTION INFORMATION

RISING FRESHMEN

1. **Students will be enrolled in the following four core course areas:**

English

Freshman Lit. & Comp. (EN100A/EN100B)
Freshman Lit. & Comp. Honors (EN190A/EN190B)

Math

Algebra I (MA102A/MA102B)
Geometry (MA103A/MA103B)
Geometry Honors (MA190A/MA190B)
Algebra II (MA200A/MA200B)
Algebra II Honors (MA290A/MA290B)
Precalculus (MA303A/MA303B)
Precalculus Honors (MA390A/MA390B)

Science

Biology (SC106A/SC106B)
Biology Honors (SC190A/SC190B)

Social Studies

World History 1450-Present (SS105A/SS105B)

2. **Students should complete their course selection by choosing elective courses from the following areas:**
World Language, Practical Arts (Business, Family & Consumer Science, Engineering & Technology), Fine Arts (Art, Music, Drama), Physical Education, or Health.
3. **Athletes, Cheerleaders, Pommies and students in Band, Orchestra, or Choir must be enrolled in a minimum of 3 credits each semester to be MSHSAA eligible (see page 121).**
4. **Include Alternate choices when registering for classes and on your course selection sheet.**

RISING SOPHOMORES

1. **Students who have passed all of the core 9th grade classes must choose from the following 10th grade core classes:**

English

Sophomore Lit. & Comp. (EN200A/EN200B)
Sophomore Lit. & Comp. Honors (EN290A/EN290B)

Math

Algebra I (MA102A/MA102B)
Geometry (MA103A/MA103B)
Geometry Honors (MA190A/MA190B)
Algebra II (MA200A/MA200B)
Algebra II Honors (MA290A/MA290B)
Precalculus (MA303A/MA303B)
Precalculus Honors (MA390A/MA390B)
Calculus (MA400A/MA400B)

Science

Chemistry (SC200A/SC200B)
Chemistry Honors (SC290A/SC290B)

Social Studies

United States History (SS203A/SS203B)
AP US History (SS501A/SS501B)

2. **Students should complete their course selection by choosing elective courses from the following areas:**
World Language, Practical Arts (Business, Family & Consumer Science, Engineering & Technology), Fine Arts (Art, Music, Drama), Physical Education, Health, or Personal Finance.
3. **Athletes, Cheerleaders, Pommies and students in Band, Orchestra, or Choir must be enrolled in a minimum of 3 credits each semester to be MSHSAA eligible (see page 121).**
4. **Include Alternate choices when registering for classes.**

RISING JUNIORS

1. Students who have passed all of the core 9th and 10th grade classes must choose from the following 11th grade classes:

English

Junior Lit. & Comp.	(EN300A/EN300B)
AP Language & Comp.	(EN500A/EN500B)

Math

Algebra I	(MA102A/MA102B)
Geometry	(MA103A/MA103B)
Geometry Honors	(MA190A/MA190B)
Algebra II	(MA200A/MA200B)
Algebra II Honors	(MA290A/MA290B)
Precalculus	(MA303A/MA303B)
Precalculus Honors	(MA390A/MA390B)
Calculus	(MA400A/MA400B)
AP Calculus AB	(MA500A/MA500B)

Science

Biology	(SC302A/SC302B)
Biology Honors	(SC390A/SC390B)

Social Studies

American Government	(SS307A/SS307B)
AP US Government & Politics	(SS501A/SS501B)

2. Students should complete their course selection by choosing elective courses from the following areas:

World Language, Practical Arts (Business, Family & Consumer Science, Engineering & Technology), Fine Arts (Art, Music, Drama), Physical Education, Health, Personal Finance, and South Tech.

3. Athletes, Cheerleaders, Pommies and students in Band, Orchestra, or Choir must be enrolled in a minimum of 3 credits each semester to be MSHSAA eligible (see page 121).

4. Include Alternate choices when registering for classes.

GENERAL GUIDELINES FOR POST-HIGH SCHOOL PLANNING

COLLEGE ADMISSION HIGH SCHOOL CREDIT EXAMPLE GUIDELINES					
	English Credits	Math Credits (starting with Algebra I)	Science Credits	Social Studies Credits	World Language Credits
Highly Selective Colleges Examples: Harvard, Northwestern, Washington University, Vanderbilt, University of Chicago, NYU, Stanford, Rice, Notre Dame, Military Academies, etc.	4	4	4	4	4
Moderately Selective Colleges Examples: Virginia, Georgia, Florida, Tulsa, Boston University, Elon, Illinois, Marquette, Tulane, Purdue, Michigan, etc.	4	4	4	4	3
University of Missouri System Examples: Missouri S&T, UMSL, UMKC, UM-Columbia	4	4	3	3	2
Other State Schools Examples: Missouri State University, University of Arkansas, Ole Miss, Indiana University, University of Kansas, Southeast MO State University, University of Central Missouri, Truman State University, University of Alabama, etc.	4	3-4	3-4	3	2
Community College Examples: STLCC, Jefferson College, Mineral Area College	4	3-4	3	3	0-2
Technical Colleges Examples: Ranken Tech, State Technical College of Missouri	4	3-4	3	3	0-2
Military Examples: Army, Navy, Air Force, Marines, National Guard	4	3-4	3	3	0-2

Check with each college or your College Counselor to understand specific requirements.

Students who graduate from a designated A+ high school may qualify for a state-paid financial incentive to attend any public community college or career/technical school in Missouri. KHS students must sign up for the A+ Program through Dr. Shiree Yeggins' office. If you have questions about the necessary A+ forms or tutoring opportunities, feel free to contact Dr. Shiree Yeggins at 314-213-6100, ext. 1307.

Benefits of A+ for students:

Qualifying graduating students will be eligible for the following:

- Tuition assistance to attend any Missouri public community college or public vocational or technical school.
- Tuition incentives will be made available after the student has made a good faith effort to first secure all available federal post-secondary student financial assistance funds that do not require repayment.

A student must be considered a FULL-TIME student by the post-secondary institution maintaining a grade point average of 2.5 or higher on a 4.0 scale. Students must complete SIX semesters of FULL-TIME enrollment at the institution within FOUR years after graduation from Kirkwood High School. **Tuition reimbursement is contingent upon availability of state funds.**

Student Eligibility:

To be eligible for the financial incentives of the A+ Schools Program, Kirkwood High School must certify a student as having met all A+ requirements. As the official representative of the Department of Education of the State of Missouri, the A+ Schools Coordinator has the responsibility to certify that a graduate of Kirkwood High School has met the following criteria:

- Sign an A+ Student contract.
- Attend an A+ High School for two consecutive years immediately prior to graduation.
- Graduate from Kirkwood High School with a cumulative grade point average of 2.5 or above on a 4.0 scale unweighted.
- Graduate from Kirkwood High School with a cumulative attendance record of 95% or higher.
- Perform a total of 50 hours of unpaid academic tutoring or mentoring of other students under the supervision of a certified Kirkwood School District employee within the four years of high school. Up to 25% of these hours can be obtained by job-shadowing. **ALL TUTORING MUST BE APPROVED BY THE A+ COORDINATOR.**
- Must have achieved a score of proficient or advanced on the Algebra I end-of-course exam or higher level DESE approved exam in the field of mathematics. If you meet all the eligibility requirements except the end of the course exam requirement, you may establish eligibility by achieving a combined ACT math sub score and high school GPA in accordance with the scale provided by DESE.
- Be a U.S. Citizen or permanent resident.
- Maintain a record of good citizenship and avoidance of unlawful use of alcohol and drugs.
- Make a good faith effort to secure all available federal post-secondary student financial assistance funds that do not require payment.

A+ Forms and additional information can be found here: [A+ Program](#)

ENGLISH

ENGLISH COURSES

COURSE NUMBER	COURSE NAME	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
EN100A/B	Freshman Literature & Composition†	9	Full Year	None
EN190A/B	Freshman Literature & Composition Honors†	9	Full Year	Writing Assessment; Qualifying Score
EN200A/B	Sophomore Literature & Composition†	10	Full Year	Freshman Literature & Composition
EN290A/B	Sophomore Literature & Composition Honors†	10	Full Year	Freshman Literature & Composition
EN300A/B	Junior Literature & Composition†	11	Full Year	Freshman and Sophomore Literature & Composition
EN500A/B	AP Language & Composition*	11-12	Full Year	Freshman and Sophomore Literature & Composition
EN406A/B	Senior Literature & Composition I: Philosophy & Culture*†	12	Full Year	Freshman, Sophomore and Junior Literature & Composition (or AP Language & Comp)
EN407A/B	Senior Literature & Composition II: Monsters & Madness*†	12	Full Year	Freshman, Sophomore and Junior Literature & Composition (or AP Language & Comp)
EN408A/B	Senior Literature & Composition III: Creative Writing & Contemporary Lit*†	12	Full Year	Freshman, Sophomore and Junior Literature & Composition (or AP Language & Comp)
EN501A/B	AP Literature & Composition*†	12	Full Year	Freshman, Sophomore and Junior Literature & Composition (or AP Language & Comp)
ELECTIVE CREDIT:				
EL101C	Public Speaking*	10-12	Semester	None
ENGLISH SUPPORTS:				
EL100A/B	Reading Focus	9-12	Full Year	Reading Assessment; Teacher Approval
EN105A/B	ELL English	9-12	Full Year	Language Assessment; ELL Teacher Approval

***College Credit Available (see page 10)**

†Also available as a Virtual KHS PeLA course (see page 111)

(Subject to Change)

GRADUATION REQUIREMENT: All students are required to pass a minimum of **four credits** of English to graduate:

- one credit of Freshman Literature & Composition
- one credit of Sophomore Literature & Composition
- one credit of Junior Literature & Composition (or AP Language & Composition)
- one credit of Senior Literature & Composition (or AP Literature & Composition)

Freshman Literature & Composition (EN100A/EN100B)

1 English Credit

Grade: 9

NCAA Approved Course

Year

Prerequisite: None

Reading Expectations: Students will read and study a variety of literature, which may include short stories, novels, poetry, drama, and non-fiction, to enhance comprehension and analysis skills, to make personal and global connections within and across texts, and to improve reading stamina and increase text complexity. Whole class texts could include - but are not limited to - Anaya's *Bless Me, Ultima*; Hansberry's *A Raisin in the Sun*; Sepetys' *Salt to the Sea*; Dante's *The Inferno*; Ribay's *Patron Saint of Nothing*; Homer's *The Odyssey*; and Wilson's *The Piano Lesson*. Additional novels will constitute Literature Sets.

*Students should plan to read at least 60-90 minutes outside of class per week, as supported by their individual goal-setting.

Writing Expectations: Students should expect to write and revise multiple process pieces across a variety of genres, which may include narrative, argumentative, informational, and poetry. Students will also create and maintain their digital writing and reading portfolios.

Freshman Literature & Composition will introduce students to the study and practice of the craft of writing and how it can enhance our academic experiences and our lives. The course is designed to move students toward the use of strategies for making sense of what we read, including some difficult texts that we will learn to unpack together. Students will also experience the value of learning from and with one another in order to build relationships, make connections, challenge ideas, gain perspectives, and grow as readers, writers, and thinkers.

Freshman Literature & Composition Honors (EN190A/EN190B)

1 English Credit

Grade: 9

NCAA Approved Course

Year

Prerequisite: Recommendation from middle school based on data analysis.

Reading Expectations: Students will read and study a variety of literature, which may include short stories, novels, poetry, drama, and non-fiction, to enhance comprehension and analysis skills, to make personal and global connections within and across texts, and to improve reading stamina and increase text complexity. Whole class texts could include - but are not limited to - Anaya's *Bless Me, Ultima*; Hansberry's *A Raisin in the Sun*; Sepetys' *Salt to the Sea*; Dante's *The Inferno*; Ribay's *Patron Saint of Nothing*; Homer's *The Odyssey*; and Wilson's *The Piano Lesson*. Additional novels will constitute Literature Sets.

*Students should plan to read at least 90-120 minutes outside of class per week, as supported by their individual goal-setting.

Writing Expectations: Students should expect to write and revise multiple process pieces across a variety of genres, which may include narrative, argumentative, informational, and poetry. Students will also create and maintain their digital writing and reading portfolios.

*Students will be encouraged to seek publication.

Freshman Literature & Composition Honors will introduce students to the study and practice of the craft of writing and how it can enhance our academic experiences and our lives. Focusing on themes of Moral Identity, Coming-of-Age, and Making Contributions, Honors Freshman English is distinct from Freshman English through faster pacing, higher expectations for reading, and mastery levels. Additionally, Honors students focus more on synthesis and elaboration in rhetoric and research. The course is designed to move students toward the use of strategies for making sense of what we read, including some difficult texts that we will learn to unpack together. Students will also experience the value of learning from and with one another in order to build relationships, make connections, challenge ideas, gain perspectives, and grow as readers, writers, and thinkers.

Sophomore Literature & Composition (EN200A/EN200B)

1 English Credit

Grade: 10

NCAA Approved Course

Year

Prerequisite: Freshman Literature & Composition

Independent Reading Expectations: Students are expected to be readers choosing texts based on individual reading goals, interest, and readiness. Students should plan to read at least 60-90 minutes outside of class per week, as supported by their individual goal-setting.

Common Reading Experiences may include but are not limited to: Kindred or Betsey Brown; Shakespeare: Romeo & Juliet, Julius Caesar, or Twelfth Night; 1984 or The Road

Common Writing Experiences may include but are not limited to: argumentative essays, creative writing (nonfiction, fiction, poetry) research project, literary response essay and short answer, note taking, workplace writing, and informal writing such as letters, narratives, journals, brochures, and poetry.

Sophomore Literature and Composition explores how students' reading and writing can empower them to make positive contributions to society and create change in the world. Centered on the themes of power and change, Sophomore Literature and Composition builds on the reading and writing skills of Freshman Literature and Composition. Students will read, analyze, and discuss texts as a whole class, and in small groups as well as sustain their independent reading. Students will read, analyze, and write critically about a variety of genres of literature including fiction, nonfiction, poetry and drama. They will also compose and revise creative pieces of nonfiction, fiction and poetry throughout the year. Unique to Sophomore Literature and Composition is the blended research paper where students will engage in a long-term research and writing project. Throughout the reading, writing and research, Sophomore Literature and Composition encourages students to examine how writers use language to create, construct, and change society.

Sophomore Literature & Composition Honors (EN290A/EN290B)

1 English Credit

Grade: 10

NCAA Approved Course

Year

Recommended Prerequisite: Freshman Literature & Composition Honors; recommendation of Freshman Literature & Composition teacher

Independent Reading Expectations: Students are expected to be readers choosing texts based on individual reading goals, interest, and readiness. Students should plan to read at least 90-120 minutes outside of class per week, as supported by their individual goal-setting.

Common Reading Experiences may include but are not limited to: Kindred or Betsey Brown; Shakespeare: Romeo & Juliet, Julius Caesar, or Twelfth Night; 1984 or The Road

Common Writing Experiences may include but are not limited to: argumentative essays, creative writing (nonfiction, fiction, poetry), research project, literary response essay and short answer, note taking, workplace writing, and informal writing such as letters, narratives, journals, brochures, and poetry.

Honors Sophomore Literature and Composition will use the same curricular structure and assessments as Sophomore Literature and Composition; however, the mastery of skills, the quality of final drafts, and the quantity of work within the units will be at a faster pace and more in depth. On analytical reading and writing assignments the primary difference is regular SLC students will focus on analysis and Honors SLC students will analyze and synthesize. With creative assignments regular SLC will focus on the writing skills/craft and honors SLC will focus on both writing craft and layers of meaning. As the year unfolds, all SLC students will be introduced to more advanced skills; however, honors students will be expected to show evidence of more advanced skills at the start of the year.

For example both regular and honors students will practice literary analysis and write analytical pieces (paragraphs, essays, etc.) regular SLC students will practice textual analysis on literature provided by the teacher. The written product will be an analysis of a text or texts. Honors students will be asked to not only analyze the text but to synthesize their analysis with other perspectives found by the students (independent research). Honors students will be asked to do the literary analysis work with fewer supports and in a quicker timeframe than regular SLC students.

Junior Literature & Composition (EN300A/EN300B)

1 English Credit

Grade: 11

NCAA Approved Course

Year

Prerequisite: Freshman Literature & Composition and Sophomore Literature & Composition

Reading Expectations: One independent, one literature circle, one whole class text each semester, average of 90 minutes of reading homework weekly.

Optional Texts: Teachers will supplement the required readings with additional texts (nonfiction, poetry, fiction) to reflect the course's essential questions.

Writing Expectations: Students will compose two formal pieces of writing per semester; second semester students will write college essays as well as their independent inquiry projects.

Junior Literature & Composition: Perspectives on America focuses on American culture and American voices. Through a study of contemporary cultural issues, the course builds on ninth and tenth grade coursework. Students read and write informational, argumentative, and literary texts. Students will build understanding of American Culture through reading diverse perspectives and multiple genres, while studying and practicing multiple modes of composition for a variety of audiences and purposes. During second semester, students will conduct inquiry projects whereby students form a question, conduct research, and create a multimedia presentation for a public audience.

AP Language & Composition (EN500A/EN500B)

1 English Credit

Grade: 11, Grade 12 with permission

NCAA Approved Course

Year

Prerequisite: Freshman Literature & Composition, Sophomore Literature & Composition

Reading Expectations: 8 books, daily homework, average assignment: 25 pages

Required Readings: *The Norton Reader*

Optional Texts: Students will select teacher-approved nonfiction texts.

Writing Expectations: 15 essays in and out of class, exceptional skills in writing the multi-paragraph essay

AP English Language and Composition cultivates the reading and writing skills that students need for college success and for intellectually responsible civic engagement. The course guides students in becoming curious, critical, and responsive readers of diverse texts (memos, letters, advertisements, political satires, etc.), and reflective writers of texts addressed to diverse audiences for diverse purposes.

***Dual Credit through Missouri State is offered in this course.**

Senior Literature & Composition

General Course Expectations: Seniors have the choice of three year-long options. The common theme of all three courses is the *Other*, a concept which explores the ideas of identity, difference, and shared humanity. How am I Other? How do we use language and stories to shape our feelings about identity and the Other? Exploring how we reflect both self and others, seniors will enjoy rich and varied opportunities to study many voices and cultures.

Senior Literature & Composition I: Philosophy & Culture (EN406A/EN406B)

1 English Credit

Grade: 12

NCAA Approved Course

Year

Prerequisite: Freshman Literature & Composition, Sophomore Literature & Composition and Junior Literature & Composition (or AP Language & Composition)

Reading Expectations: 4 books per semester, homework daily, average assignment: 25 pages

Writing Expectations: Students will compose at least three formal, developed pieces of writing per semester, as well as informal responses to classwork. Senior Research Paper will be completed during the fall semester, regardless of elective.

What's the point? Why am I here? What happens when Self meets Other? What happens when our own perceptions collide with the perceptions of others? Why do bad things happen to good people, and why should I care about anyone but myself? When we read and write, we learn how we have constructed our worldview, giving us the opportunity to examine Self and Other. In this course, we will explore the different ways in which humans have understood the world throughout history, how we understand the world today, and what happens when our cultural and political ideologies conflict.

Potential Readings: Mrs. Dalloway (Woolf), Fire Next Time (Baldwin), Man's Search for Meaning (Frankl), Tao of Pooh (Hoff), The Stranger (Camus), Herland (Gilman), Slaughterhouse-Five (Vonnegut), Othello (Shakespeare), The Catcher in the Rye (Salinger), Black Elk Speaks (Neihardt).

***Dual Credit through Missouri State is offered in this course.**

Senior Literature & Composition II: Monsters & Madness (EN407A/EN407B)

1 English Credit

Grade: 12

NCAA Approved Course

Year

Prerequisite: Freshman Literature & Composition, Sophomore Literature & Composition and Junior Literature & Composition (or AP Language & Composition)

Reading Expectations: 4 books per semester, homework daily, average assignment: 25 pages

Writing Expectations: Students will compose at least three formal, developed pieces of writing per semester, as well as informal responses to classwork. Senior Research Paper will be completed during the fall semester, regardless of elective.

Reanimated corpses! Flesh-eating zombies! Blood-hungry psychopaths in English class? This course explores the role that horror stories and films play and considers how monsters have become dark-side manifestations of a culture's values, its fear of difference, and the forever-shifting understanding of the self. What does a particular culture label as monstrous and why? What have certain authors captured and unleashed? Along those lines, have you ever thought about what your thoughts are like? Are they images or feelings or do you constantly have an interior monologue going? Literature can mimic the experience of consciousness. We'll look into representations of minds that history has labeled as mad, how authors approach the construct of madness, and what this madness tells us about our world.

Potential Readings: Dawn (Butler), Frankenstein (Shelley), The Strange Case of Jekyll & Hyde (Wells), Grendel, (Gardner), The Island of Dr. Moreau (Wells), Dracula (Stoker), The Plague (Camus), The Picture of Dorian Gray (Wilde), Othello and Hamlet (Shakespeare), Jane Eyre (Bronte), Waiting for Godot (Beckett), Song of Solomon (Morrison), Slaughterhouse-Five (Vonnegut), Wuthering Heights (Bronte).

***Dual Credit is through Missouri State is offered in this course.**

Senior Literature & Composition III: Creative Writing & Contemporary Lit (EN408A/EN408B)

1 English Credit

Grade: 12

NCAA Approved Course

Year

Prerequisite: Freshman Literature & Composition, Sophomore Literature & Composition and Junior Literature & Composition (or AP Language & Composition)

Reading Expectations: 4 books per semester, homework daily, average assignment: 25 pages

Writing Expectations: Students will compose at least three formal, developed pieces of writing per semester, as well as informal responses to classwork. Senior Research Paper will be completed during the fall semester, regardless of elective.

What do our stories tell us about ourselves? How does the craft of today's literature reflect our cultural concerns? Contemporary fiction and poetry offer insight into human nature and our current moment. In a studio format modeled after fine arts disciplines like ceramics and sculpting, we will compose short pieces in fiction, poetry, and nonfiction. We will also compose a longer piece each semester in a genre of **the student's** choice. Through this studio work, we will develop our own voices and explore how the elements of literature allow us to empathize with the Other.

Potential Readings: George Saunders, Zadie Smith, Anthony Doerr, T.C. Boyle, Donald Barthelme, Steven Millhauser, Jhumpa Lahiri, Karen Russell, Jamel Brinkley, Alice Munro, Margaret Atwood, Jamaal May, Tarfia Faizullah, Mary Oliver

***Dual Credit is through Missouri State is offered in this course.**

AP Literature & Composition (EN501A/EN501B)

1 English or Elective Credit

Grade: 12

NCAA Approved Course

Year

Prerequisite: Freshman Literature & Composition, Sophomore Literature & Composition and Junior Literature & Composition (or AP Language & Composition)

Reading Expectations: 8 books, homework: 4 nights a week, average assignment: 25 pages

Required Readings: Could include, among others, Vonnegut's *Slaughterhouse-Five*, Shakespeare's *Othello*, Bronte's *Wuthering Heights*, Conrad's *Heart of Darkness*, Martel's *Life of Pi*, Morrison's *Song of Solomon*, Hardy's *Tess of the D'Urbervilles*, outside reading novels, and a variety of short stories and poems.

Teacher Option Readings: Literary criticism

Writing Expectations: Multiple in-class and out-of-class essays each quarter. Out-of-class essays are usually 3-4 pages long, though some could be longer. In-class essays are modeled on the AP Literature exam essays. Students will typically write one essay for each major work.

In AP Literature, we read texts that explore the nooks and crannies of our existence. We discuss the problems that plague our everyday existence, such as how to handle your mom marrying your uncle when you come back from college, the best ways to avoid cannibalism and to tame a tiger while adrift at sea, or whether you should marry a man whose bed is set on fire by another woman. We will also hone your essay writing skills so that you will wow your professors with sophisticated stylings.

***Dual Credit is through Missouri State is offered in this course.**

ENGLISH: ELECTIVE CREDIT

Public Speaking(EL101C)

.5 Elective Credit

Grade: 10, 11, 12

NCAA Approved Course

Semester

Prerequisite: None

Public Speaking is a course designed to develop students' skills in speaking, listening, and presenting in both formal and informal contexts. Over the course of the semester, students will study persuasive speaking, argumentation, debate, informative speaking, interviewing, active listening, formal introductions, marketing, comedy/improv, and impromptu speaking. Through active participation in this wide variety of communication contexts, students will learn to connect to their audience and develop their confidence and competence as speakers and presenters.

***Dual Credit through Missouri State is offered in this course.**

ENGLISH: SUPPORT COURSES

Reading Focus (EL100A/EL100B)

1 Elective Credit

Grade: 9, 10, 11, 12

Year

Prerequisite: Enrollment is determined by reading scores and teacher selection. Reading Specialist approval is required.

Reading Expectations: Daily class reading, self selected texts, and on-line reading.

The goal of this course is for students to advance toward grade level reading in addition to becoming self-motivated readers. They will learn how to effectively use before, during, and after reading strategies, build vocabulary, improve fluency, and select their own independent reading texts in order to become more informed citizens. Computer software applications will serve as tools to advance comprehension. Students will be able to independently use their learning to grapple with increasingly complex texts from a variety of genres and time periods to gain a reservoir of literary and cultural knowledge.

ELL English (EN105A/EN105B)

1 English Credit

Grade: 9, 10, 11, 12

Year

Prerequisite: Testing by ELL Staff (Language Assessment Scales); placement to be determined by ELL staff and counselor.

This is a class intended for the non-native or limited-English-proficient (LEP) student. Participants may be at beginning, intermediate, and advanced proficiency levels. Students will improve vocabulary and grammatical structures in English, as well as practice reading, writing, listening and speaking skills. Class activities include, but are not limited to, composition structure and writing, reading short stories, grammar and listening exercises, and conversational situations in the target language.

The **Missouri Seal of Biliteracy** is awarded to graduating high school students in districts who have demonstrated achievement in English, a language other than English and sociocultural competence. Students who demonstrate proficiency in English and one or more World Languages will be eligible to receive this honor. The KHS transcript will be notated with the Seal and a number of Missouri universities have endorsed the seal by offering college credit hours. For more details see your grade level counselor.

Dual credit availability is subject to change.

MATH

MATHEMATICS COURSES

COURSE NUMBER	COURSE NAME	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
MA102A/B	Algebra I†	9-12	Full Year	Placement based on 8th grade mathematics teacher and counselor recommendation
MA103A/B	Geometry†	9-12	Full Year	Algebra I
MA190A/B	Geometry Honors	9-10	Full Year	Algebra I (recommended A)
MA201A/B	Statistical Algebra	10-12	Full Year	Algebra I and Geometry
MA200A/B	Algebra II†	10-12	Full Year	Algebra I and Geometry (recommended A-B average between Algebra I & Geometry) OR Algebra II and Geometry concurrently (if recommended by KHS Algebra I teacher)
MA290A/B	Algebra II Honors†	9-12	Full Year	Geometry Honors (recommended B) AND Algebra I (recommended A) OR Geometry (recommended A) AND Algebra I (recommended A)
MA300C	Statistics	10-12	Semester	Algebra II
MA306C	Discrete Mathematics A†	11-12	Semester (Fall Only)	Algebra II Honors OR Algebra II
MA307C	Discrete Mathematics B†	11-12	Semester (Spring Only)	Algebra II Honors OR Algebra II
MA302C	Algebra III (WILL NOT be offered 2026-2027)	10-12	Semester	Algebra II AND teacher recommendation only
MA303A/B	Precalculus	10-12	Full Year	Algebra II Honors OR Algebra II (recommended B)
MA390A/B	Precalculus Honors	10-12	Full Year	Algebra II Honors (recommended B) OR Algebra II (recommended A)
MA400A/B	Calculus*	11-12	Full Year	Precalculus Honors OR Precalculus (recommended B)
MA500A/B	AP Calculus AB*	10-12	Full Year	Precalculus Honors (recommended B) OR Precalculus (recommended A) with teacher recommendation
MA501A/B	AP Calculus BC*	10-12	Full Year	Calculus (recommended A) with teacher recommendation OR AP Calculus AB (recommended B)
MA502A/B	AP Statistics*	11-12	Full Year	Algebra II (recommended B)

***College Credit Available (see page 10)**

†Also available as a Virtual KHS PeLA course (see page 111)

(Subject to Change)

GRADUATION REQUIREMENT: All students are required to pass a minimum of **three credits** of Math to graduate. One of the four ninth grade math courses must be passed as a graduation requirement.

A fourth year of mathematics will be counted as an elective credit.

The math department recommends students who take Algebra 2 or above purchase a TI-84 (or similar) graphing calculator for classroom use.

NOTATIONS: The following courses are the ONLY courses which may be taken concurrently:

- Regular Algebra II & Regular Geometry (must have earned an "A" in Algebra I and have their Algebra I teacher's recommendation. This option is ONLY available for rising 10th-12th graders.)
- Regular Precalculus & Discrete Math (with Algebra II teacher's recommendation)
- Regular Calculus & Discrete Math (with Precalculus teacher's recommendation)
- Algebra I & Regular Geometry ONLY IF THE STUDENT HAS ALREADY TAKEN ALGEBRA I AND IS RETAKING FOR A BETTER GRADE
- AP Statistics & Regular Precalculus (with Algebra II teacher's recommendation)
- AP Statistics & Regular Calculus
- AP Statistics & AP Calculus (AB or BC)
- AP Statistics & Discrete Math (with Algebra II teacher's recommendation)

Students may NOT double-up with any Honors or AP mathematics courses, except AP Statistics.

The following recommendation is made for students who have earned a D in Algebra I and want to take Algebra II:

- not take Geometry but instead retake Algebra I
- take Geometry and retake Algebra I concurrently
- take Geometry, and retake Algebra I during the summer before Geometry or the summer after Geometry-moving on to Algebra II if a C is earned in summer school Algebra I.

Students who have not yet taken Algebra I CANNOT enroll in Algebra I and Geometry concurrently.

Virtual Math Courses: Students taking virtual math courses during the summer to move ahead in the math course sequence is NOT recommended. Also, taking a virtual math course concurrently with any KHS math course during the school year is NOT recommended.

Algebra I (MA102A/MA102B)

1 Math Credit

Grade: 9, 10, 11, 12

NCAA Approved Course

Year

Prerequisite: Placement in Algebra I by the student's 8th grade mathematics teacher and counselor

Students enrolled in Algebra I will study the real number system and its properties, solve linear and quadratic equations, solve 1 and 2 variable inequalities, graph linear, exponential, and quadratic functions and perform operations with polynomials, algebraic fractions and irrational numbers. Students will also apply this knowledge and skill to solve real life applications.

Geometry (MA103A/MA103B)

1 Math Credit

Grade: 9, 10, 11, 12

NCAA Approved Course

Year

Prerequisite: Full credit earned in Algebra I

Students will use inductive and deductive reasoning to develop an axiomatic system which describes the properties of two and three dimensional objects. A solid, working knowledge of Algebra I skills is necessary.

Geometry Honors (MA190A/MA190B)

1 Math Credit

Grade: 9, 10

NCAA Approved Course

Year

Prerequisite: Full credit earned in Algebra I; recommended A earned in Algebra I

The content in Honors Geometry includes all of the content in regular Geometry. Students will use inductive and deductive reasoning to develop an axiomatic system which describes the properties of two and three dimensional objects. In addition, several extensions of topics including constructions, proofs of theorems and analytical geometry utilizing algebra skills will be explored. The course is rigorous and students will proceed at an accelerated pace that is heavily proof-based. Students will work to prove theorems, critically think, justify and clearly communicate the mathematics. A strong mastery of Algebra I topics and ability to interpret mathematical ideas presented visually and in written words is expected.

Statistical Algebra (MA201A/MA201B)

Grade: 10, 11, 12

NCAA Approved Course

1 Math Credit
Year

Prerequisite: Full credit earned in Algebra I and Geometry

This course focuses on the connections between mathematics and its applications to the real world. It starts with an introduction to statistics. The initial focus is univariate data and how to describe a collection of numbers in context. As we shift to bivariate data, we focus on functions through regression and the lens of real world applications. The ultimate goal is for students to attach real world concepts they are familiar with to algebraic ideas. This is NOT an appropriate course for, and is not recommended for students who have completed Algebra I and Geometry with a combined average of B or higher. This course also cannot be taken after the student has earned credit for Algebra II.

Algebra II (MA200A/MA200B)

Grade: 10, 11, 12

NCAA Approved Course

1 Math Credit
Year

Prerequisite: Full credit earned in Algebra I and Geometry

Students in this course will extend their study of Algebra. In addition to a brief review of Algebra I, students will examine systems of equations and inequalities, powers, roots and complex numbers. Students will also examine a variety of functions and relations including radical, polynomial, exponential, logarithmic, rational, and quadratic functions.

Algebra II Honors (MA290A/MA290B)

Grade: 9, 10, 11, 12

NCAA Approved Course

1 Math Credit
Year

Prerequisite: Full credit earned in Geometry Honors (recommended B) and in Algebra I (recommended A) **or** Full credit earned in Geometry (recommended A) and in Algebra I (recommended A)

Like students in the regular Algebra II course, students enrolled in Algebra II Honors will extend their study of Algebra by exploring topics listed in regular Algebra II more in depth, with greater application, and at an accelerated pace.

Statistics (MA300C)

Grade: 10, 11, 12

NCAA Approved Course

.5 Math Credit
Semester

Prerequisite: Full credit earned in Algebra II

Students enrolled in Statistics will learn to collect, organize, compare and summarize data and create visual representations of data. Topics will include: measure of central tendency, normal distributions, probabilities, statistical error. Students will extend their study to include real-world situations. This course will be offered each semester.

Discrete Mathematics A (MA306C) - FALL SEMESTER

.5 Math Credit Per Semester

Discrete Mathematics B (MA307C) - SPRING SEMESTER

Grade: 11, 12

NCAA Approved Course

Semester

Prerequisite: Full credit earned in Algebra II **or** Algebra II Honors

Discrete Mathematics A is only offered during the first semester. Discrete Mathematics B is only offered the second semester. Students do **not** have to take Discrete Mathematics A before taking Discrete Mathematics B. Students enrolled in this course will use rigorous thought and reasoning skills to explore areas of mathematics not traditionally covered in the algebra-precalculus-calculus sequence. Topics include secret codes and encryption, infinity and different levels of infinity, different geometries, topology, chaos and fractals and probability. Discrete mathematics lends itself to a wide variety of "real world" applications. Problems discussed will range from determining if there are two people on earth with the exact same number of hairs on their bodies to devising secret codes to examining the probability of winning the lottery.

Algebra III (MA302C)

Grade: 10, 11, 12

NCAA Approved Course

.5 Math Credit
Semester

Prerequisite: Full credit earned in Algebra II AND teacher recommendation only

Algebra III is an option offered to students who have successfully completed Algebra II but do not want/need to proceed to Precalculus or Discrete Math. The course will involve students gaining further mastery for solving problems typically found in and extending beyond traditional Algebra II courses. In addition, time will be spent helping students learn how to solve problems typically found on college placement tests. This is NOT an appropriate course for, and is not recommended for students who have already earned a C or higher in Precalculus or B or higher in Algebra II. (ALGEBRA III WILL NOT BE OFFERED 2026-2027)

Precalculus (MA303A/MA303B)

1 Math Credit

Grade: 10, 11, 12

NCAA Approved Course

Year

Prerequisite: Full credit earned in Algebra II (recommended B) or Algebra II Honors

This is a rigorous course, in which students synthesize their work in Algebra II and Geometry and expand those ideas to new topics. Students enrolled in Precalculus will study operations on functions including solving equations, graphing and analyzing. Specific functions studied include polynomials, rational, exponential, logarithmic and trigonometric functions. Students will also apply their knowledge to the study of analytical geometry. In order to find success in Precalculus, a student must have good problem solving and abstract thinking skills. A strong mastery of Geometry and Algebra II topics along with the ability to interpret mathematical ideas presented is expected.

Precalculus Honors (MA390A/MA390B)

1 Math Credit

Grade: 10, 11, 12

NCAA Approved Course

Year

Prerequisite: Full credit earned in Algebra II (recommended A) or Full credit earned in Algebra II Honors (recommended B)

Students in Honors Precalculus will study all the topics studied in the regular Precalculus course as well as graphs of the three reciprocal Trigonometric functions, half angle identities, polar coordinates, conic sections, limits and area approximations. Students are also expected to derive important applicable theorems. Students in the honors section will proceed at an accelerated pace through this more rigorous course and are expected to enroll in Advanced Placement Calculus the following year.

Calculus (MA400A/MA400B)

1 Math Credit

Grade: 11, 12

NCAA Approved Course

Year

Prerequisite: Full credit earned in Precalculus (recommended B) or Precalculus Honors

In Calculus, the student brings together all the skills learned in Algebra through Precalculus and applies them to the study of limits. Students will find themselves in a course traditionally taken by first and second semester college students. During the first semester, the student will engage in a complete analysis of limits of ratios (derivatives). During the second semester the student will perform the same analysis on limits of sums (integrals).

***Dual Credit through UMSL is offered in this course.**

AP Calculus AB (MA500A/MA500B)

1 Math Credit

Grade: 10, 11, 12

NCAA Approved Course

Year

Prerequisite: Full credit earned in Precalculus (recommended A) with teacher recommendation or Full credit earned in Precalculus Honors (recommended B)

Students enrolled in AP Calculus AB will study the same topics as regular Calculus but will have the additional challenge of the AP exam. Because of the timing of the AP exam, AP Calculus AB students will proceed at an accelerated pace. Throughout the course, students will practice AP type problems and questions.

***Dual Credit through UMSL is offered in this course.**

AP Calculus BC (MA501A/MA501B)

1 Math Credit

Grade: 10, 11, 12

NCAA Approved Course

Year

Prerequisite: Full credit earned in regular Calculus (recommended A) with teacher recommendation or AP Calculus AB (recommended B)

Students enrolled in AP Calculus BC will enhance their understanding of topics covered in AP Calculus AB and will also engage in a complete analysis of parametric equations, vectors, series and sequences. Because of the timing of the AP exam, AP Calculus BC students will proceed at an accelerated pace. Throughout the course, students will practice AP type problems and questions in preparation for the AP exam. This course encompasses two full semesters of university level calculus.

***Dual Credit through UMSL is offered in this course.**

AP Statistics (MA502A/MA502B)

1 Math Credit

Grade: 11, 12

NCAA Approved Course

Year

Prerequisite: Full credit earned in Algebra II (recommended B)

Students enrolled in AP Statistics will be introduced to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will be exposed to four broad conceptual themes: exploring data; sampling and experimentation; anticipating patterns; and statistical inference. Students will find themselves in a course similar to a college level Elementary Statistics course. Throughout the course, students will practice AP type problems and questions.

***Dual Credit through UMSL is offered in this course.**

SCIENCE

SCIENCE COURSES

COURSE NUMBER	COURSE NAME	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
SC100A/B	Physics (WILL NOT be offered 2026-2027)	9	Full Year	None
SC101A/B	Accelerated Physics (WILL NOT be offered 2026-2027)	9	Full Year	Algebra I
SC106A/B	Biology 9	9	Full Year	None
SC190A/B	Biology Honors 9	9	Full Year	Teacher recommendation and middle school assessments
SC200A/B	Chemistry†	10	Full Year	Physics (.5 credit)
SC290A/B	Chemistry Honors†	10	Full Year	Physics AND currently enrolled in Algebra II or higher
SC302A/B	Biology†	11-12	Full Year	Physics and Chemistry (.5 credit)
SC390A/B	Biology Honors†	11-12	Full Year	Physics, Chemistry (grade of A) OR Chemistry Honors (B or better)
ELECTIVE CREDIT:				
SC300C	Anatomy & Physiology I*	11-12	Semester (Fall Only)	Biology
SC301C	Anatomy & Physiology II*	11-12	Semester (Spring Only)	Biology; Anatomy & Physiology I recommended
SC304A/B	Space and Planetary Science	11-12	Full Year	Physics, Chemistry, Algebra, and Geometry
SC500A/B	AP Biology*	11-12	Full Year	Physics and Chemistry Honors (grade of A)
SC501A/B	AP Chemistry*	10-12	Full Year	Chemistry
SC502A/B	AP Physics 1	10-12	Full Year	Physics and Algebra II

***College Credit Available (see page 10)**

†Also available as a Virtual KHS PeLA course (see page 111)

(Subject to Change)

GRADUATION REQUIREMENT: All students are required to pass a minimum of **three credits** of Science to graduate, including:

- one credit in Biology
- one credit in Chemistry
- one additional Science credit

Physics (SC100A/SC100B)

Grade: 9

NCAA Approved Course

1 Science Credit
Year

Prerequisite: None

Physics is the study of the properties and interactions of matter and energy. Through hands-on explorations that integrate math and technology, students will develop a strong understanding of content and skills. During the first semester, the content focus is force and motion with crosscutting concepts of patterns and cause and effect relationships. During the second semester, the content focus is energy (in a wide variety of forms) with crosscutting concepts of systems and the law of conservation of energy. The course is designed to lay a strong foundation of science concepts and skills that will be built upon in subsequent science courses.

Accelerated Physics (SC101A/SC101B)

Grade: 9

NCAA Approved Course

1 Science Credit
Year

Prerequisite: Algebra I

Accelerated Physics is the study of the properties and interactions of matter and energy. Through hands-on explorations that integrate math and technology, students will develop a strong understanding of content and skills. During the first semester, the content focus is force and motion with crosscutting concepts of patterns and cause and effect relationships. During the second semester, the content focus is energy (in a wide variety of forms) with crosscutting concepts of systems and the law of conservation of energy. The course is designed to lay a strong foundation of science concepts and skills that will be built upon in subsequent science courses.

Accelerated Physics will cover more topics at a greater depth and faster pace than Physics. Students taking Accelerated Physics should have a strong understanding of basic algebra. Trigonometry and advanced mathematical techniques will be taught and used through the course.

Biology 9 (SC106A/SC106B)

Grade: 9

NCAA Approved Course

1 Science Credit
Year

Prerequisite: None

Biology is the study of living organisms, exploring the intricate interactions of matter and energy that sustain life. In this course, students will dive into the fundamental principles of modern biology through hands-on laboratory experiences and real-world applications. They will examine key topics such as ecology, understanding the relationships between organisms and their environments; biochemistry, studying the chemical processes that drive life; and cell biology, investigating the structure and function of cells as the basic units of life.

Additionally, students will explore energetics, focusing on how organisms harness and use energy, and genetics, where they will learn how traits are inherited and expressed. An in-depth look at DNA will reveal its role as the blueprint of life, while the study of evolution will help students understand how species change and adapt over time. These topics will not only provide a comprehensive foundation in biological science but will also cultivate analytical skills, critical thinking, and a deeper appreciation for the diversity and complexity of life on Earth.

Biology Honors 9 (SC190A/SC190B)

Grade: 9

NCAA Approved Course

1 Science Credit
Year

Prerequisite: Teacher recommendation and middle school assessments

Honors Biology is an advanced study of living organisms with an emphasis on the molecular and mechanistic foundations of life. Students investigate biological systems from cells to ecosystems through laboratory inquiry, modeling, and data analysis. In addition to the core topics of modern biochemistry, cell structure and function, energetics, genetics, evolution, and ecology, honors students will extend learning by examining the mechanisms that generate biological processes, applying quantitative and probabilistic reasoning, and evaluating multiple lines of scientific evidence.

Students are expected to construct and defend explanations using empirical data, connect molecular events to observable outcomes, and engage in advanced applications of biological principles. This course prepares students for further study in advanced science by developing analytical thinking, scientific literacy, and evidence-based reasoning. These topics will not only provide a comprehensive foundation in biological science but will also cultivate analytical skills, critical thinking, and a deeper appreciation for the diversity and complexity of life on Earth.

Chemistry (SC200A/SC200B)

Grade: 10

NCAA Approved Course

1 Science Credit
Year

Prerequisite: At least .5 credit earned in Physics

Chemistry is the study of matter and energy from a molecular point of view. Through laboratory experiences and practical application, students will investigate atomic structure and the periodic table, bonding, intermolecular forces, reactions and experimental design.

SCIENCE

Chemistry Honors (SC290A/SC290B)

Grade: 10

NCAA Approved Course

1 Science Credit
Year

Recommendation: A in Physics, B or higher in Accelerated Physics, currently enrolled in Algebra II or higher.

Chemistry Honors is an in-depth, mathematical, and rigorous study of matter and energy from a molecular point of view. It is designed for those students with an advanced level of interest and motivation and who may be interested in careers in science, engineering or medicine. Through laboratory experiences and practical application, students will explore the areas of atomic structure and the periodic table, bonding, intermolecular forces, reactions, nuclear chemistry and experimental design.

Biology (SC302A/SC302B)

Grade: 11, 12

NCAA Approved Course

1 Science Credit
Year

Prerequisite: One credit earned in Physics, and at least .5 credit earned in Chemistry or Chemistry Honors

Biology is the study of living organisms, exploring the intricate interactions of matter and energy that sustain life. In this course, students will dive into the fundamental principles of modern biology through hands-on laboratory experiences and real-world applications. They will examine key topics such as ecology, understanding the relationships between organisms and their environments; biochemistry, studying the chemical processes that drive life; and cell biology, investigating the structure and function of cells as the basic units of life.

Additionally, students will explore energetics, focusing on how organisms harness and use energy, and genetics, where they will learn how traits are inherited and expressed. An in-depth look at DNA will reveal its role as the blueprint of life, while the study of evolution will help students understand how species change and adapt over time. These topics will not only provide a comprehensive foundation in biological science but will also cultivate analytical skills, critical thinking, and a deeper appreciation for the diversity and complexity of life on Earth.

Biology Honors (SC390A/SC390B)

Grade: 11, 12

NCAA Approved Course

1 Science Credit
Year

Prerequisite: One credit earned in Physics and credit earned in Chemistry (grade A) or Chemistry Honors (grade B or better)

Honors Biology is an in-depth, challenging course that explores the complex interactions of matter and energy in the living world, crafted for highly motivated students with a strong interest in biological sciences. Through comprehensive laboratory experiences and practical applications, students will delve deeply into essential concepts of modern biology, including ecology, biochemistry, cell biology, energetics, genetics, DNA, and evolution. This course places special emphasis on biochemistry, molecular biology, and genetics, integrating principles of organic chemistry and energy seamlessly throughout. A solid understanding of organic chemistry and basic energy principles is recommended, as students will apply these topics to gain a more profound insight into the mechanisms that govern life. This rigorous curriculum aims to foster critical thinking, advanced analytical skills, and a comprehensive understanding of the dynamic and interconnected nature of biological systems

SCIENCE: ELECTIVE CREDIT

Anatomy & Physiology I (SC300C)

Grade: 11, 12

NCAA Approved Course

.5 Elective Credit
Fall Semester Only

Prerequisite: One credit earned in Biology

Anatomy & Physiology I is an exploration of the human body's structure and function, designed to provide students with foundational knowledge in human biology. Through engaging lab experiences—including dissections of muscle tissue, a mammalian brain, and eyes—students will investigate comparative anatomy and the organization of the human body. The course covers key systems such as the integumentary, skeletal, muscular, and nervous systems, emphasizing how each contributes to overall health and functionality. With a focus on health professions, students will also examine common diseases within each system, learning about their causes, treatments, and prevention strategies. This approach not only fosters a deeper understanding of anatomy and physiology but also offers insight into medical and health-related fields, making it ideal for students interested in pursuing careers in healthcare.

***Dual Credit through Missouri State is offered in this course.**

Anatomy & Physiology II (SC301C)

Grade: 11, 12

NCAA Approved Course

.5 Elective Credit
Spring Semester Only

Prerequisite: One credit earned in Biology; Completion of Anatomy & Physiology I recommended

Anatomy & Physiology II continues the detailed study of the human body's structure and function, building upon foundational knowledge to explore additional complex systems. Through hands-on lab experiences (including dissection of mammalian hearts, lungs, kidneys and fetal pigs) and real-world applications, students will investigate the endocrine, cardiovascular, respiratory, immune, digestive/excretory, and reproductive systems. A key focus of the course is homeostasis—the body's ability to maintain internal stability. Students will delve into how factors such as sleep, disease, and advancements in biotechnology impact the body's equilibrium. This course not only enhances understanding of individual systems but also emphasizes their interdependence, fostering a comprehensive view of human health and physiological resilience.

***Dual Credit through Missouri State is offered in this course.**

SCIENCE: ELECTIVE CREDIT

Space and Planetary Science (SC304A/SC304B)

1 Elective Credit
Year

Grade: 11,12

NCAA Approved Course

Prerequisite: One credit earned in Physics, Chemistry, Algebra and Geometry

Space and Planetary Science builds on students' innate sense of curiosity and wonder about the universe in which we live. Over the course of the year students will explore objects and phenomena on planets and in space through the use of observations, scientific experiments, and quantitative analysis. The content of the course follows the chronological order in which discoveries have been made by humans and is organized into three parts: (1) observational astronomy - events and objects that can be observed and studied with the naked eye, (2) light, stars, and cosmology, and (3) planetary systems and cycles.

Space and Planetary Science is a year-long science elective taken mostly by seniors. It is recommended that students take this course after completing Physics, Chemistry, and Biology. Because of the level of math it is also recommended that students complete Algebra and Geometry before taking this course.

AP Biology (SC500A/SC500B)

1 Elective Credit
Year

Grade: 11, 12

NCAA Approved Course

Prerequisite: One credit earned in Biology and Chemistry

Students will analyze and relate orally and in writing an understanding of the major concepts of biology, including those of molecular and cell biology, genetics, population biology, and the physiology of plants and animals. In laboratory investigations, students will gather and analyze quantitative data to illustrate many of these concepts. AP Biology is a college level course in content and in difficulty. The AP Biology course is designed by The College Board to be taken only after the successful completion of a first course in high school biology.

***Dual Credit through Missouri State is offered in this course.**

AP Chemistry (SC501A/SC501B)

1 Elective Credit
Year

Grade: 11, 12

NCAA Approved Course

Prerequisite: One credit earned in Chemistry. This prerequisite can be waived by the course instructor.

Embark on a captivating journey into the heart of matter with our Advanced Placement (AP) Chemistry course! Designed to inspire curiosity and ignite a passion for the molecular world, this college-level experience delves into the fundamental principles that govern the very fabric of our universe. From unraveling the mysteries of atomic structure to exploring the dynamic dance of chemical reactions, students will be immersed in a hands-on learning adventure through thought-provoking laboratory experiments that sharpen critical thinking skills. Join us in this intellectually stimulating exploration, where you'll unlock the secrets of the elements and compounds that shape our world.

***Dual Credit through Missouri State is offered in this course.**

AP Physics 1 (SC502A/SC502B)

1 Elective Credit
Year

Grade: 10,11,12

NCAA Approved Course

Prerequisite: One credit earned in Physics and Algebra II

Love science *and* math? AP Physics is a course that delves deeply into understanding how things work – using the foundations you've built in both of these areas of study. Students will complete the equivalent of a first semester course in college physics studying mechanics topics that include projectile motion, circular motion and gravitation, energy, linear and angular momentum, waves, fluids and pressure. Students will focus on experimentation to develop conceptual understanding of physics principles. Throughout the course students will integrate their math skills (Algebra and basic Trigonometry) to design and analyze investigations and solve multistep problems.

***The AP Physics class is designed to take the AP Physics 1 exam. Therefore, students should either be in Calculus or in Precalculus Honors with exceptional grades in Algebra II.**

SOCIAL STUDIES

SOCIAL STUDIES COURSES

COURSE NUMBER	COURSE NAME	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
SS105A/B	World History - 1450-Present†	9	Full Year	None
SS203A/B	United States History - 1870-Present†	10	Full Year	World History
SS501A/B	AP United States History	10-12	Full Year	Sophomores: Grade of A in World History-1450-Present
SS307A/B	American Government†	11-12	Full Year	US History
SS502A/B	AP US Government & Politics†	11-12	Full Year	3.0 GPA
ELECTIVE CREDIT:				
SS202C	Economics*	10-12	Semester	None
SS304C	Psychology	10-12	Semester	None
SS303C	Contemporary Issues and Project-Base Historical Inquiry	10-12	Semester	None
SS305C	Sociology†	11-12	Semester	None
SS306C	B.A.S.E.-L.E.V.E.L-U.P.	11-12	Semester	None
SS503A/B	AP Psychology*	11-12	Full Year	3.0 GPA
SS500A/B	AP World History: Modern (WILL NOT be offered 2026-2027; WILL be offered 2027-2028)	11-12	Full Year	3.0 GPA
SS504A/B	AP Human Geography* (WILL be offered 2026-2027; WILL NOT be offered 2027-2028)	11-12	Full Year	3.0 GPA

*College Credit Available (see page 10)

†Also available as a Virtual KHS PeLA course (see page 111)

(Subject to Change)

GRADUATION REQUIREMENT: All students are required to pass a minimum of **three credits** of Social Studies to graduate:

- one credit in World History
- one credit in United States History
- one credit in Government

Students must pass the **Missouri Constitution Test**, **U.S. Constitution Test**, and **Missouri Civics Education Initiative Test** as a graduation requirement.

SOCIAL STUDIES

World History 1450 - Present (SS105A/SS105B)

1 Social Studies Credit

Grade: 9

NCAA Approved Course

Year

Prerequisite: None

This course will provide students with a comprehensive overview of world history from 1450 to the present day. Students will study the major events and trends that have shaped the world, as well as the interconnectedness of different cultures and societies. They will also develop the skills necessary to analyze historical sources and construct historical arguments.

United States History 1870-Present (SS203A/SS203B)

1 Social Studies Credit

Grade: 10

NCAA Approved Course

Year

Prerequisite: Full credit earned in World History - 1450-Present

Students will be able to demonstrate their understanding of the significant themes that contributed to the formation of the United States through research, discussion, simulation, debate, and presentation. Students will use their understanding to cite evidence of those themes in contemporary issues facing our society. Themes will include the evolution of American political democracy, cultural pluralism, economic and social equality, and America's development as a major world power. Students will explore and appreciate the diversity of the American experience and the relevance of our nation's past to all individuals living in today's society.

AP United States History (SS501A/SS501B)

1 Social Studies Credit

Grade: 10, 11, 12

NCAA Approved Course

Year

Prerequisite: Rising Sophomores must have earned an A in World History - 1450-Present

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

American Government (SS307A/SS307B)

1 Social Studies Credit

Grade: 11, 12

NCAA Approved Course

Year

Prerequisite: Full credit earned in United States History

American Government introduces students to the origins, concepts, institutions, interactions, and policies of government in the United States, and has students analyze the role of individuals, groups, and states in the modern world. The course will increase students' understanding of government and encourage students to become positive contributing members of their local, state, national, and global communities. Students will apply their knowledge through a Civic Action Project, allowing them to actively engage with real-world issues and practice civic responsibility. As a component of this course, students will be prepared for and take the state-mandated Government End of Course Exam, as well as fulfill the citizenship and constitution assessment requirements for high school graduation in the State of Missouri.

AP United States Government & Politics (SS502A/SS502B)

1 Social Studies Credit

Grade: 11, 12

NCAA Approved Course

Year

Prerequisite: Students must have a 3.0 GPA

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project.

SOCIAL STUDIES: ELECTIVE CREDIT

Economics (SS202C)

Grade: 10, 11, 12

NCAA Approved Course

**.5 Elective Credit
Semester**

Prerequisite: None

Economics introduces the core concepts of how individuals, firms, and governments make choices with resources. Students will develop an understanding of the intricate interplay between scarcity, incentives, and equilibrium that lies at the heart of economic decision-making, as individuals and societies navigate the challenge of allocating limited resources to maximize utility and prosperity.

***Dual Credit through Missouri State is offered in this course.**

Psychology (SS304C)

Grade: 10, 11, 12

NCAA Approved Course

**.5 Elective Credit
Semester**

Prerequisite: None

Students will learn to clarify and explain human development and behavior from infancy through maturity through research, discussion, debate, and role play. Human behavior will be explored by students through a study of its normal and abnormal manifestations. Students will discover and be able to explain the importance of applying the scientific method to the study of human behavior.

Contemporary Issues and Project-Based Historical Inquiry (SS303C)

Grade 11, 12

NCAA Approved Course

**.5 Elective Credit
Semester**

Prerequisite: None

This semester course is meant for students interested in writing, research, history, literature, film production, theater, humanities (philosophy, sociology, psychology, anthropology, etc), and journalism through a historical lens. Throughout the semester students will develop research projects of their choosing based upon a common theme while at the same time practicing historical thinking skills in the examination of contemporary issues. Students will develop a thesis, research and analyze source material, and express this work through a summative final project that is clear, persuasive, and creative.

Sociology (SS305C)

Grade: 11, 12

NCAA Approved Course

**.5 Elective Credit
Semester**

Prerequisite: None

Students will discover how humans interact within and between groups and groupings. They will explore through research, discussion, debate, and inquiry, the general principles dealing with how people get along in groups. Students will demonstrate their understanding of human interaction, social classes, personality, courtship, marriage, and the family through oral and written presentations.

B.A.S.E.-L.E.V.E.L.-U.P. (SS306C)

Grade: 11, 12

NCAA Approved Course

**.5 Elective Credit
Semester**

Prerequisite: None

In the Black American Studies & Existence: Lift Every Voice, Evolve in Liberty & Unite the People course, students will study the experience of black Americans through a socio-historical lens. Students will explore continuity and change in the development of black identity. The course is designed for students to analyze diverse perspectives in an ever-changing world, including the conflict and cooperation that is caused by our interactions with each other. Students will find historical and contemporary evidence in order to have meaningful and reflective dialogue on the impact of race and intersectionality on one's identity.

AP Psychology (SS503A/SS503B)

Grade: 11, 12

NCAA Approved Course

**1 Elective Credit
Year**

Prerequisite: Students must have a 3.0 GPA

AP Psychology is designed to introduce students to a wide range of psychological topics. Students will be given an opportunity to explore the behavior and mental processes of human beings. Throughout their AP Psychology experience, students will become familiar with what it means to critically analyze human behavior through the scientific process while peering through a psychological lens.

***Dual Credit through Missouri State is offered in this course.**

SOCIAL STUDIES: ELECTIVE CREDIT

AP World History: Modern (SS500A/SS500B)

1 Elective Credit

Grade: 11, 12

NCAA Approved Course

Year

Prerequisite: Rising Juniors must have a 3.0 GPA

AP World History: Modern is designed to be the equivalent of a two-semester introductory college or university world history course. In AP World History: Modern students investigate significant events, individuals, developments, and processes in historical periods from approximately 1200 C.E. to the present. Students develop and 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 among historical developments in different times and places: interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures.

(AP WORLD HISTORY: MODERN WILL NOT BE OFFERED 2026-2027; WILL BE OFFERED 2027-2028)

AP Human Geography (SS504A/SS504B)

1 Elective Credit

Grade: 11, 12

NCAA Approved Course

Year

Prerequisite: Rising Juniors must have a 3.0 GPA

The AP Human Geography course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

***Dual Credit through Missouri State is offered in this course.**

(AP HUMAN GEOGRAPHY WILL BE OFFERED 2026-2027; WILL NOT BE OFFERED 2027-2028)

Dual credit availability is subject to change.

FINE ARTS

Courses listed in the following departments qualify as Fine Arts:

- **Art Department**.....page 49
- **Performing Arts Department**
 - Theatre.....page 54
 - Music.....page 55

FINE ARTS: ART COURSES

COURSE NUMBER	COURSE NAME	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
FA100C	Art Fundamentals†	9-12	Semester	None
FA101C	Ceramics I	9-12	Semester	None
FA200C	Ceramics II*	9-12	Semester	Ceramics I
FA102C	Drawing I	9-12	Semester	None
FA201C	Drawing II*	9-12	Semester	Drawing I
FA103C	Fine Art Photography	9-12	Semester	None
FA104C	Graphic Design I	9-12	Semester	None
FA202C	Graphic Design II	9-12	Semester	Graphic Design I
FA203C	Painting*	9-12	Semester	Drawing I
FA105C	Sculpture I*	9-12	Semester	None
FA500A/B	AP Art History*	10-12	Full Year	3.0 GPA or Teacher Approval
FA501A/B	AP Drawing*	10-12	Full Year	Two or More Previous Art Courses
FA502A/B	AP 2-D Art and Design*	10-12	Full Year	Two or More Previous Art Courses
FA503A/B	AP 3-D Art and Design*	10-12	Full Year	Two or More Previous Art Courses

*College Credit Available (see page 10)

†Also available as a Virtual KHS PeLA course (see page 111)

(Subject to Change)

GRADUATION REQUIREMENT: All students are required to pass a minimum of **one credit** of Fine Arts to graduate.

FINE ARTS: ART

<u>Art History</u> AP Art History	<u>Drawing/Painting</u> Drawing I Drawing II Painting AP Drawing	<u>3-D Design</u> Sculpture Ceramics I Ceramics II AP 3-D Art & Design	<u>2-D Design</u> Fine Art Photography Graphic Design I Graphic Design II AP 2-D Art & Design
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The above chart shows possible pathways in art but there are multiple options available. Please see the course prerequisites and talk over your choices with your counselor and art teacher.

Art Fundamentals (FA100C)

Grade: 9, 10, 11, 12

Prerequisite: None

.5 Fine Art or Elective Credit
Semester

Learn the language of art and explore various techniques and media. Observe works of art from chosen time periods and movements. Art skills will be developed through a variety of assignments.

Ceramics I (FA101C)

Grade: 9, 10, 11, 12

Prerequisite: None

.5 Fine Art or Elective Credit
Semester

Design and construct hand-built pottery using pinch, coil and slab methods. Use glazing and other decorating techniques to complete designs in clay.

Ceramics II (FA200C)

Grade: 9, 10, 11, 12

Prerequisite: Ceramics I

.5 Fine Art or Elective Credit
Semester

Further develop skills and techniques of hand-built pottery, glazing, and decorating from Ceramics I. Develop wheel-thrown pottery skills.

***Dual Credit through UMSL is offered in this course.**

Drawing I (FA102C)

Grade: 9, 10, 11, 12

Prerequisite: None

.5 Fine Art or Elective Credit
Semester

Acquire skills in drawing through guided daily practice. Work from observation in pencil, charcoal, color pencil and pen and ink.

Drawing II (FA201C)

Grade: 9, 10, 11, 12

Prerequisite: Drawing I

.5 Fine Art or Elective Credit
Semester

Expand skills learned in Drawing I with more intensive study of composition and additional media techniques. Work from observation and imagination as well as an approach for interpretation of subject matter.

***Dual Credit through UMSL is offered in this course.**

Fine Art Photography (FA103C)

Grade: 9, 10, 11, 12

Prerequisite: None

.5 Fine Art or Elective Credit
Semester

Learn the basics of camera use and manual mode settings. Effectively apply compositional techniques to create compelling images. Learn basic skills in Adobe Photoshop to enrich photographs that are already visually striking.

FINE ARTS: ART

Graphic Design I (FA104C)

Grade: 9, 10, 11, 12

Prerequisite: None

.5 Fine Art or Elective Credit
Semester

Learn how to create visual concepts that communicate ideas and themes. Explore 2D design basics, typography and layout design. Learn the basics of Adobe Illustrator.

Graphic Design II (FA202C)

Grade: 9, 10, 11, 12

Prerequisite: Graphic Design I

.5 Fine Art or Elective Credit
Semester

Build on your knowledge from Graphic Design 1. Explore more advanced design concepts and principles. Learn techniques in Adobe Illustrator and Adobe Photoshop.

Painting (FA203C)

Grade: 9, 10, 11, 12

Prerequisite: Drawing I

.5 Fine Art or Elective Credit
Semester

Learn the techniques and methods of painting with tempera, watercolor, and acrylic paint. Apply design principles and color theory to communicate ideas visually.

***Dual Credit through UMSL is offered in this course.**

Sculpture I (FA105C)

Grade: 9, 10, 11, 12

Prerequisite: None

.5 Fine Art or Elective Credit
Semester

Design and construct 3D work in a variety of materials including cardboard/paper, clay, wood, wire, latex, plaster, fibers, and found objects. Develop skills in 3D design and construction.

***Dual Credit through UMSL is offered in this course.**

AP Art History (FA500A/FA500B)

Grade: 10, 11, 12

Prerequisite: Students must have a 3.0 GPA or Teacher Approval

1 Fine Art or Elective Credit
Year

Students will engage in an introductory college art history survey course to examine and critically analyze major forms of artistic expression from a variety of cultures and time periods. Students will understand how and why works of art function in context, such as politics, class, religion, patronage, audience, gender, ethnicity, and world view.

***Dual Credit through UMSL is offered in this course.**

AP Drawing (FA501A/FA501B)

Grade: 10, 11, 12

Prerequisite: Two or More Previous Art Courses in Drawing I, Drawing II or Painting

1 Fine Art or Elective Credit
Year

Through practice, experimentation and revision students will create a highly developed body of work that demonstrates an advanced degree of drawing skills, such as with drawing and painting. This artwork will also demonstrate a synthesis of materials, processes, and ideas. In addition, students will participate in critiques, writing about their artwork, a field trip, exhibiting their artwork, and submitting a portfolio of their work to the AP College Board for evaluation.

***Dual Credit through UMSL is offered in this course.**

AP 2-D Art and Design (FA502A/FA502B)

1 Fine Art or Elective Credit

Grade: 10, 11, 12

Year

Prerequisite: Two or More Previous Art Courses in Drawing, Fine Art Photography, Graphic Design I, or Graphic Design II

Through practice, experimentation and revision students will create a highly developed body of work that demonstrates an advanced degree of 2-D art and design skills, such as with graphic design, illustration, and photography. This artwork will also demonstrate a synthesis of materials, processes, and ideas. In addition, students will participate in critiques, writing about their artwork, a field trip, exhibiting their artwork, and submitting a portfolio of their work to the AP College Board for evaluation.

***Dual Credit through UMSL is offered in this course.**

AP 3-D Art and Design (FA503A/FA503B)

1 Fine Art or Elective Credit

Grade: 10, 11, 12

Year

Prerequisite: Two or More Previous Art Courses in Sculpture, Ceramics I, or Ceramics II

Through practice, experimentation and revision students will create a highly developed body of work that demonstrates an advanced degree of 3-D art and design skills, such as with sculpture and ceramics. This artwork will also demonstrate a synthesis of materials, processes, and ideas. In addition, students will participate in critiques, writing about their artwork, a field trip, exhibiting their artwork, and submitting a portfolio of their work to the AP College Board for evaluation.

***Dual Credit through UMSL is offered in this course.**

Dual credit availability is subject to change.

FINE ARTS: PERFORMING ART COURSES

COURSE NUMBER	COURSE NAME	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
THEATRE				
FA106C	Drama I*	9-12	Semester	None
FA107C	Drama II	9-12	Semester	Drama I or Improvisation
FA108C	Improvisation	9-12	Semester	None
FA110C	Technical Theatre	9-12	Semester	None
FA124C	Musical Theatre	9-12	Semester	None
FA204C	Advanced Drama	10-12	Semester	2 Drama Courses or Teacher Approval
BAND				
FA111A/B	Marching Band	9-12	Semester 1	Audition or Teacher Approval
FA111A/B	Concert Band (WILL NOT be offered 2026-2027)	9	Semester 2	Marching Band
FA111A/B	Symphonic Band	9-12	Semester 2	Audition or Teacher Approval
FA111A/B	Wind Ensemble	9-12	Semester 2	Audition or Teacher Approval
FA117A/B	Jazz Band	9-12	Full Year	Audition (Early Sept)
ORCHESTRA				
FA112A/B	Concert Orchestra	9-12	Full Year	Audition or Teacher Approval
FA112A/B	Symphonic Orchestra	9-12	Full Year	Audition or Teacher Approval
CHOIR				
FA121A/B	Mixed Choir	9-12	Full Year	None
FA124C	Musical Theatre	9-12	Semester	None
FA206A/B	Concert Choir	9-12	Full Year	Vocal Placement or Teacher Approval
FA207A/B	Vocal Jazz Ensemble	9-12	Full Year	Vocal Placement or Teacher Approval
MUSIC				
FA211C	Music Production and the Recording Arts	10-12	Semester	Previous music experience preferred
FA301A/B	Music Theory*	10-12	Full Year	Previous music experience preferred

***College Credit Available**
(Subject to Change)

GRADUATION REQUIREMENT: All students are required to pass a minimum of **one credit** of Fine Arts to graduate.

FINE ARTS: THEATRE

Drama I: Introduction To Drama (FA106C)

Grade: 9, 10, 11, 12

Prerequisite: None

.5 Fine Art or Elective Credit
Semester

Students will study the concept of "ensemble" as the foundation of performance. They will experience the core theatre components that contribute to theatre and explore their acting and technical preferences, including stage make-up and basic stage combat techniques.

***Dual Credit through Missouri State is offered in this course.**

Drama II: Intermediate Acting (FA107C)

Grade: 9, 10, 11, 12

Prerequisite: Drama I or Improvisation

.5 Fine Art or Elective Credit
Semester

This course is designed for students who wish to develop the craft of acting. Students will work with modern acting theory through advanced scene study. We will study comedic acting, realism, and acting for the camera.

Technical Theatre (FA110C)

Grade: 9, 10, 11, 12

Prerequisite: None

.5 Fine Art or Elective Credit
Semester

Students will learn the fundamental skills of technical theatre. This will include shop and stage safety, as well as the basics of set and costume construction, lighting techniques and sound production.

Improvisation (FA108C)

Grade: 9, 10, 11, 12

Prerequisite: None

.5 Fine Art or Elective Credit
Semester

Improvisation is the practice of acting, singing, talking and reacting in the moment and in response to the stimuli of one's immediate environment, fellow actors and inner feelings. Students will learn the basic skills of improvisation for performance and will perform small group and individual scenes using various training techniques such as freeze improv, sketch comedy, stand up, and commedia dell'arte.

Musical Theatre (FA124C)

Grade: 9, 10, 11, 12

Prerequisite: None

.5 Fine Art or Elective Credit
Semester

This course is an introduction to the exciting world of musical theatre, combining elements of singing, acting, and dancing. Students will explore the fundamentals of each discipline while learning about the history and styles of musical theatre. Through individual and group exercises, students will work on vocal techniques, stage presence, movement, and character development. They will study and perform scenes and songs from classic and contemporary musicals, with an emphasis on storytelling, expression, and collaboration.

Advanced Drama (FA204C)

Grade: 10, 11, 12

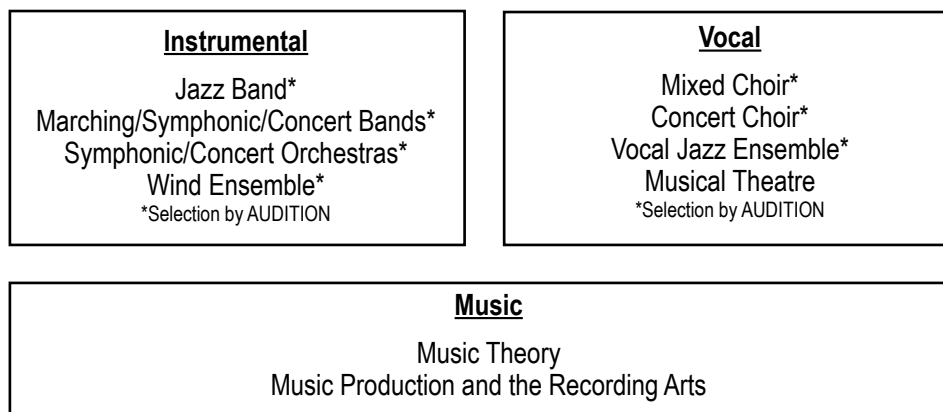
Prerequisite: 2 drama courses or Teacher Approval

.5 Fine Art or Elective Credit
Semester

This course is a laboratory setting designed for the student interested in all aspects of putting together a production. We will explore choosing a play, the auditioning and casting process, directing, set and costume design elements, stage management, and props. The final will be a performance for a live audience.

MSHSAA Eligibility

The Music Department participates in MSHSAA sanctioned events. Students must meet MSHSAA eligibility requirements to participate in MSHSAA events. To be eligible a student must be enrolled for a minimum of 3 credit hours in the semester the event occurs and must have passed a minimum of 3 credit hours in the semester prior.

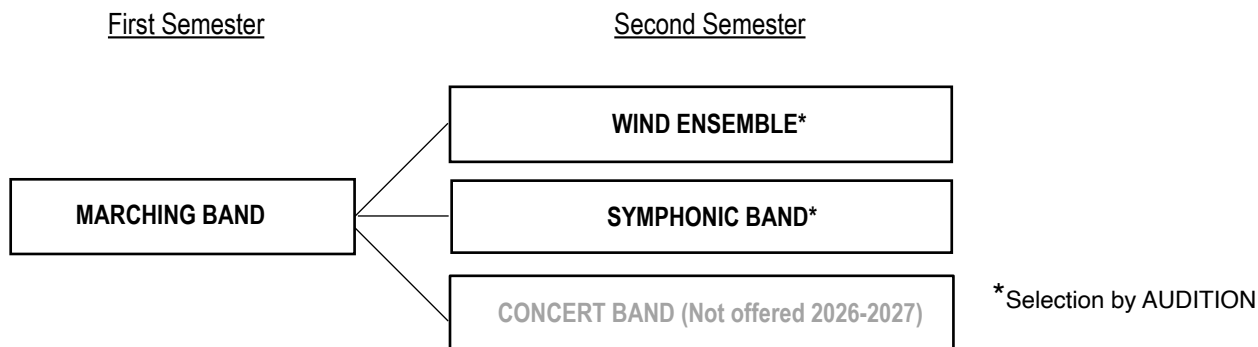


MUSIC (BAND)

Grade: 9, 10, 11, 12

Prerequisite: Successful completion of previous year's Kirkwood Band curriculum and Teacher approval

- Band is a full year course.
- All students will be enrolled in MARCHING BAND Semester 1.
- All students must be enrolled in MARCHING BAND to qualify for WIND ENSEMBLE or SYMPHONIC BAND.
- All students will be assigned to WIND ENSEMBLE or SYMPHONIC BAND Semester 2 by audition.



MUSIC (BAND)

Marching Band (FA111A/FA111B)

Grade: 9, 10, 11, 12

.5 Fine Art or Elective Credit

Fall Semester

The Pioneer Pride Marching Band class requires students to attend summer marching clinics and rehearsals that take place before the school year begins, helping the band prepare for the season's performances. The band performs at school assemblies, all home and away football games including playoff and state final games and at the Green Tree Parade. All percussion students must complete an audition each April, administered by Kirkwood band teachers, to be considered for the Marching Drumline for the following year. **Public performance participation is required as part of the class and is considered a fundamental expectation for band students.** Near the end of the first semester, Marching Band class transitions into two indoor concert ensembles, Symphonic Band and Wind Ensemble, for which students audition and are placed accordingly. Band is structured as a full year class, giving students continuous musical and performance opportunities throughout the academic year, while fostering growth both as individuals and as part of the school's culture.

Concert Band (FA111A/FA111B)

Grade: 9

.5 Fine Art or Elective Credit

Spring Semester

Concert Band members will perform standard works for the high school band and learn fundamental skills in tone production, technique, rhythm, intonation, ensemble playing, sight-reading and musicianship while mastering Grade 2-3 Band Literature. This ensemble will perform public concerts in and outside of school and at the MSHSAA Large Group Festival. **Public performances are a requirement of this class.**

Symphonic Band (FA111A/FA111B)

Grade: 9, 10, 11, 12

.5 Fine Art or Elective Credit

Spring Semester

The Symphonic Band class is a full-year high school ensemble that is a continuation from Marching Band in the fall where members perform standard band literature primarily at Grade 2.5 to 4 difficulty levels. The curriculum focuses on developing essential musicianship skills including tone production, technique, rhythm, intonation, ensemble playing, sight reading, and overall musicianship. **Students in Symphonic Band perform publicly both in school and at external events, with public performances being a course requirement.** Placement in Symphonic Band or Wind Ensemble is determined by student auditions. The ensemble experience includes preparing and performing a wide variety of wind band literature to develop performance skills and musical understanding. This class emphasizes ongoing skill development in areas such as tone quality, rhythmic accuracy, intonation, and sight reading, while fostering ensemble cohesion. Symphonic Band plays an important role in students' musical growth through consistent rehearsals and concerts held throughout the school year. Symphonic Band is a rigorous, performance-based course designed to advance high school band students' technical and musical skills while requiring active participation in regular public performances.

Wind Ensemble (FA111A/FA111B)

Grade: 9, 10, 11, 12

.5 Fine Art or Elective Credit

Spring Semester

Wind Ensemble is a full-year high school band class that is a continuation from Marching Band in the Fall designed for advanced students who will perform standard works at a Grade 3 to 5 level. This ensemble focuses on developing high-level skills in tone production, technique, rhythm, intonation, ensemble playing, sight reading, and musicianship. **Public performances both inside and outside of school are a course requirement.** Students must audition for placement in either the Wind Ensemble or Symphonic Band, with Wind Ensemble typically including more advanced repertoire and performance expectations. Members of the Wind Ensemble usually participate in multiple concerts each year, and the ensemble often requires rehearsals and performances outside regular school hours. The class emphasizes individual preparation due to the soloistic nature of many parts and strongly encourages private lessons. Participation in festivals, contests, and auditions is common, including participating in MSHSAA district music festivals and solo and ensemble is required. Wind Ensemble offers the most advanced concert band experience at the high school level with an emphasis on performance mastery of challenging repertoire, comprehensive musicianship development, and required public performances throughout the school year.

Jazz Band (FA117A/FA117B)

Grade: 9, 10, 11, 12

.5 Fine Art Credit or Elective with Pass/Fail

Year

Prerequisite: Audition is held in *early* September

Jazz Band is an extension of the regular band class focused on teaching students the concepts of jazz style, including phrasing, improvisation, articulations, rhythm patterns, and ensemble blend. To participate in Jazz Band, students (except bass, guitar, and piano players) must concurrently be enrolled in a regular band class. The Jazz Band typically meets one evening per week and is graded on a pass or fail basis. The curriculum emphasizes skill development in jazz performance techniques, such as improvisation and jazz rhythm, along with expression and ensemble cohesion. Students perform in various jazz styles, with multiple performance opportunities throughout the year. **Active participation in rehearsals and public performances inside and outside of school are a course requirement.** The class fosters creativity and musicianship within the jazz idiom through both group and individual playing. Jazz Band builds on foundational band skills and focuses on jazz specific techniques and performance. It requires concurrent enrollment in a band class, meets weekly in the evenings, and is graded pass/fail based on participation and performance.

MUSIC (ORCHESTRA)

Concert Orchestra (FA112A/FA112B)

Grade: 9, 10, 11, 12

Prerequisite: Audition or Teacher Approval

1 Fine Art or Elective Credit

Year

Concert Orchestra is a multi-level ensemble that uses a diverse technical and performance curriculum to develop intermediate to advanced playing skills. Students will perform a wide variety of music and study fundamentals in scales, rhythm, intonation, ensemble-playing, sight reading, and musical style. Participation in solo and ensemble and honors orchestras is encouraged.

Public performances are a requirement of this class.

Symphonic Orchestra (FA112A/FA112B)

Grade: 9, 10, 11, 12

Prerequisite: Audition or Teacher Approval

1 Fine Art or Elective Credit

Year

This course is for the student who is interested in performing symphonic orchestra literature. Music of all historical periods will be studied and performed. Fundamentals in scales, rhythm, and intonation will be enhanced along with performance techniques and musical style. A demanding concentration of the subtleties of performance techniques and musical style is a focus for this group.

Public performances are a requirement of this class.

FINE ARTS: MUSIC (CHOIR)

Mixed Choir (FA121A/FA121B)

Grade: 9, 10, 11, 12

Prerequisite: None

1 Fine Art or Elective Credit

Year

This class provides students with opportunities to develop their singing voice, acquire more competence in sight-reading, tone production, intonation, rhythm and ensemble singing. Students will perform a variety of choral compositions of contrasting style, periods and cultures. This ensemble will perform graded public concerts in and outside of the school day. **Students must be aware of the requirements to attend and participate in ALL graded extra rehearsals and public performances.**

Musical Theatre (FA124C)

Grade: 9, 10, 11, 12

Prerequisite: None

.5 Fine Art or Elective Credit

Semester

This course is an introduction to the exciting world of musical theatre, combining elements of singing, acting, and dancing. Students will explore the fundamentals of each discipline while learning about the history and styles of musical theatre. Through individual and group exercises, students will work on vocal techniques, stage presence, movement, and character development. They will study and perform scenes and songs from classic and contemporary musicals, with an emphasis on storytelling, expression, and collaboration.

Concert Choir (FA206A/FA206B)

Grade: 9, 10, 11, 12

Prerequisite: Vocal Placement or Teacher Approval

1 Fine Art or Elective Credit

Year

In this ensemble, students learn and perform advanced choral literature. Music of all historical periods will be studied and performed as well as music from various world cultures. Skills in tone production, intonation, rhythm, ensemble singing and sight-reading will be explored and refined through daily rehearsal. This ensemble will perform public concerts in and outside of school and at the MSHSAA Large Group Festival. **Students must be aware of the requirements to attend and participate in ALL graded extra rehearsals and public performances.**

Vocal Jazz Ensemble (FA207A/FA207B)

Grade: 9, 10, 11, 12

Prerequisite: Vocal Placement or Teacher Approval

1 Fine Art or Elective Credit

Year

Vocal Jazz Ensemble studies and performs a wide range of classic and contemporary vocal styles in the vocal jazz idiom. The content includes, but is not limited to, the following concepts: extensive sight-reading at an upper level, practicing and using vocal improvisation, exploration of vocal jazz tone color/quality of production, public performance, studying of melodic, rhythmic, and harmonic structure in vocal jazz and popular choral music. Public performances are presented throughout the year and at Major Jazz Festivals. **Students must be aware of the requirements to attend and participate in ALL graded extra rehearsals and public performances.**

Music Production & the Recording Arts (FA211C)

.5 Fine Art or Elective Credit

Grade: 10, 11, 12

Semester

Prerequisite: Some previous music experience preferred.

This one semester course will cover a broad range of topics including, but not limited to, the following:

- Live sound reinforcement: understanding and applying techniques used in live performances with many different components (i.e. mixers, microphones, speakers, effects) to achieve professional sound reinforcement results.
- Contemporary Music Theory: Tried and true techniques to create contemporary songs in many genres, classically structured pieces, film/television scores and more.
- Studio Recording reinforcement: understanding and applying techniques used in the studio environment to record, mix, and produce professional quality musical recordings.

This one semester course would provide a fine arts/performing arts credit for students who have a passion for music and technology.

Music Theory (FA301A/FA301B)

1 Fine Art or Elective Credit

Grade: 10, 11, 12

Year

Prerequisite: Some previous music experience and Teacher Approval

This is a class in which students learn the basic principles of music theory including scales, chords, 4-part writing, analysis, ear training and composition. Students taking this class must have some previous music background.

***Dual Credit through Missouri State is offered in this course.**

PRACTICAL ARTS

Courses listed in the following departments qualify as Practical Arts:

- **Business Department.....page 63**
- **Engineering & Technology Department.....page 67**
- **Family & Consumer Science Department.....page 72**

PRACTICAL ARTS: BUSINESS COURSES

COURSE NUMBER	COURSE NAME	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
PA100C	Startup!*	9-12	Semester	None
PA202C	Introduction to Marketing	10-12	Semester	None
PA318A/B	Advanced Marketing*	11-12	Full Year	Introduction to Marketing (B or better) - must be taken sophomore or junior year
PA305A/B	Marketing Internship		6th & 7th Periods	
PA302C	Entrepreneurship*	10-12	Semester	Startup! or Introduction to Marketing
PA103C	SmashCode I	9-12	Semester	None
PA119C	SmashCode II	9-12	Semester	SmashCode I
PA101C	Computer Applications I	9-12	Semester	None
PA102C	Computer Applications II*	9-12	Semester	Computer Applications I
PA201C	Introduction to Law	10-12	Semester	None
PA301C	Business Communications*†	10-12	Semester	None
PA200A/B	Accounting I*	10-12	Full Year	None
PA502A/B	AP Business with Personal Finance*	10-12	Full Year	B or better in a previous business course or teacher recommendation

*College Credit Available (see page 10)

†Also available as a Virtual KHS PeLA course (see page 111)

(Subject to Change)

GRADUATION REQUIREMENT: All students are required to pass a minimum of **one credit** of Practical Arts to graduate.

BUSINESS COURSE GUIDE

<u>Information Technology (IT)</u> SmashCode I & II Introduces students to the fundamentals of coding through emerging technologies. AP Computer Science Principles* Develops students' computational thinking and problem solving skills. *This course is not eligible to be part of the PSB scholarship.	<u>Finance</u> Accounting I Accounting studies the process of maintaining and auditing records and preparing financial reports. Students learn to evaluate financial statements and develop solutions for local municipalities and small businesses through a problem solving process.	<u>Administration</u> Computer Applications I & II Computer Applications is an overview of desktop publishing on Microsoft Office and Photoshop. Business Communications Students prepare for a job interview by mastering verbal and nonverbal communication as well as body language and written communication. Introduction to Law Students analyze and evaluate citizen's rights, court structure, and landmark cases through case studies and research. AP Business and Personal Finance Students learn how businesses work, make smart financial decisions, and build skills for college and career success.	<u>Marketing & Entrepreneurship</u> Startup! Plan, start and operate small businesses emphasizing the critical problem solving skills required to be successful. Introduction to Marketing Students will develop brands, design graphics and learn social media strategy in order to develop promotional campaigns for companies and WoodPepNation. <table><tr><td> Entrepreneurship Create, refine or collaborate on a business idea or solution in this PSB course. Students will apply the problem solving skills by developing a new product, service or problem. </td><td> Advanced Marketing & Internship Students work as Interns for a marketing agency for the year. They will operate WoodPepNation, partner with three outside businesses, and participate in </td></tr></table>	Entrepreneurship Create, refine or collaborate on a business idea or solution in this PSB course. Students will apply the problem solving skills by developing a new product, service or problem.	Advanced Marketing & Internship Students work as Interns for a marketing agency for the year. They will operate WoodPepNation, partner with three outside businesses, and participate in
Entrepreneurship Create, refine or collaborate on a business idea or solution in this PSB course. Students will apply the problem solving skills by developing a new product, service or problem.	Advanced Marketing & Internship Students work as Interns for a marketing agency for the year. They will operate WoodPepNation, partner with three outside businesses, and participate in				

PRACTICAL ARTS: BUSINESS

Startup! (PA100C)

Grade: 9, 10, 11, 12

Prerequisite: None

.5 Practical Art or Elective Credit
Semester

Looking for a fun and exciting elective? Then Startup! is for you. This course is designed for students interested in exploring a career in business. It is a broad introduction to the various fields of business and communication skills needed to be successful in the real world. Topics covered will include business trends, economics, entrepreneurship, marketing, management, finance, and international business. Startup! is the ideal starter course for KHS students interested in exploring course offerings within the Pioneer School of Business.

***Dual credit available through Missouri State University upon completion of Startup! AND Entrepreneurship**

Introduction to Marketing (PA202C)

Grade: 10, 11, 12

Prerequisite: Startup! recommended

.5 Practical Art or Elective Credit
Semester

Class time blends creative group projects and problem solving challenges. Learn the foundations of marketing through creating designs for music festivals, developing a new product and creating social media strategies/graphics, and developing a promotional plan for a new product just introduced to the market. Promotional strategies learned will include digital communication, social media strategy, online advertising, video/audio marketing, graphic design, and many others. Students are also eligible to be in DECA/FBLA through this class. Intro to Marketing is a prerequisite for Advanced Marketing.

***Dual credit available through Missouri State University upon completion of Intro to Marketing AND Advanced Marketing**

PRACTICAL ARTS: BUSINESS

Advanced Marketing (PA318A/PA318B)

2 Practical Art or Elective Credits

Marketing Internship (PA305A/PA305B)

Grade: 11, 12

Year

Prerequisite: Intro to Marketing (B or better and taken as a sophomore or junior)

This is a two period block - hours 6 & 7 in schedule: MUST TAKE BOTH.

Advanced Marketing and Internship is a combined class to provide a unique opportunity to dedicate two class periods of the day to your business and marketing career. Class will be offered 6th & 7th hours of the day and focus on managing the WOODPEPNATION social media accounts, planning student section events, reaching out and collaborating with at least three local businesses during the year while creating a workplace environment similar to the real world. This course will prepare you for ANY CAREER by focusing on problem solving, design thinking, professionalism, design skills in Adobe Creative Cloud Suite and resume-worthy professional experience. Additionally, students will prepare for and participate in DECA, an international business competition. With permission from the instructor, students may take this course for another year. Students may also earn three hours of college credit.

*Dual credit through Missouri State University is offered in this course.

Entrepreneurship (PA302C)

.5 Practical Art or Elective Credit

Grade: 10, 11, 12

Semester

Prerequisite: Startup!

Create, refine or collaborate on a business idea or solution in this exciting Pioneer School of Business (PSB) course. Entrepreneurship students will apply the problem-solving skills developed throughout the PSB to a product, service or problem. Students will pursue a passion project, learn about different types of businesses and build a plan to start a franchise.

*Dual Credit available through Missouri State University upon completion of Startup! AND Entrepreneurship

SmashCode I (PA103C)

.5 Practical Art or Elective Credit

Grade: 9, 10, 11, 12

Semester

Prerequisite: None

Interested in programming interactive content (i.e. animations, stories, and games etc.)? Then SmashCode #1 is for you. SmashCode #1 introduces students to the exciting world of coding via the Python Turtle Graphics programming library. Students will learn the foundations of computer science and basics of programming, with an emphasis on helping students develop logical thinking and problem solving skills. SmashCode #1 will also provide a smooth transition into SmashCode #2 and is highly recommended for students considering a computer science related field. Sign up and let's smash some code!

SmashCode II (PA119C)

.5 Practical Art or Elective Credit

Grade: 9, 10, 11, 12

Semester

Prerequisite: SmashCode I is recommend

SmashCode II builds upon the foundations and basic programming skills acquired in SmashCode I. Our focus will switch from the Python Turtle Graphics library to the interactive console and its capabilities. Our console based interaction will be geared toward the following: conditionals, looping, functions & exceptions, strings, creating and altering data structures, extending data structures and concluding with a project based game build. Students will leave SmashCode II with a conceptual understanding and practical application of the interactive console providing a seamless transition into AP Computer Science Principles. Sign up and let's continue smashing some code!

Computer Applications I (PA101C)

.5 Practical Art or Elective Credit

Grade: 9, 10, 11, 12

Semester

Prerequisite: None

Computer Applications I is an essential introductory course for all students to be successful in the modern world of technology. Students will obtain the computer skills required to be successful in every area of life. Students will learn the necessary features of Google Docs, Sheets, Slides and organizing in a Google Drive. Students will also learn web literacy and online research skills.

Computer Applications II (PA102C)

.5 Practical Art or Elective Credit

Grade: 9, 10, 11, 12

Semester

Prerequisite: Computer Applications I

Design and create workplace themed material using Photoshop, Microsoft Office, and Google Docs. Students will also discover augmented reality by creating an experience for "clients." Design infographics to enhance visual patterns and information. Manage and organize files in Google Drive with a working portfolio. This projects-based course offers powerful tools used by small businesses.

*Dual credit through Missouri State University is offered in this course.

PRACTICAL ARTS: BUSINESS

Introduction to Law (PA201C)

.5 Practical Art or Elective Credit

Grade: 10, 11, 12

Semester

Prerequisite: None

Do you know what your rights are and how to protect them? Students will examine legal ethics, misdemeanors, felonies, torts, jury selection, and trial procedures. Students will also explore the structure of our court systems for criminal and civil suits. Laws involving minors at school and in everyday life are also examined. The legal knowledge gained in this course will make you a more powerful citizen! Students will have the opportunity to take a field trip to the Clayton Circuit Court to observe our legal system in action.

Business Communications (PA301C)

.5 Practical Art or Elective Credit

Grade: 10, 11, 12

Semester

Prerequisite: None

Master communication skills to dazzle potential employers in a job interview! This course encompasses a variety of business communication topics to prepare you for your ultimate goal- employment! Topics include:

- Team building workshops
- International business travel and etiquette
- Non verbal communication and body language
- Persuasive strategies for presenting
- Resume writing and creating interactive online resumes
- Interview preparation

***Dual credit through Missouri State University is offered in this course.**

Accounting I (PA200A/PA200B)

1 Practical Art or Elective Credit

Grade: 10, 11, 12

Year

Prerequisite: None

This is an important business course for all students. Accounting I introduces the core components of accounting. This course prepares students interested in majoring in a college business program, future entrepreneurs, investors, as well as anyone seeking a better understanding of finances. Get ready to problem solve for local communities and analyze financial statements of real businesses for future investments. Explore and master:

- Ethical decision making and GAAP
- Accounting cycle for sole proprietorships and corporations
- Evaluation of a company's financial statements
- Problem solving for local municipalities and small businesses
- Automated accounting
- Careers in accounting (FBI, law and forensics)

***Dual credit through Missouri State University is offered in this course.**

AP Business with Personal Finance (PA502A/PA502B)

1 Practical Art or Elective Credit

Grade: 10, 11, 12

Year

Prerequisite: B or better in a previous business course or teacher recommendation

Looking for a challenging and career-focused elective? Then AP Business with Personal Finance is for you. This year-long course gives students the tools to understand how businesses work, make smart financial decisions, and build skills for college and career success.

Students will earn their personal finance credit and the course is eligible for dual credit through Missouri State University (pending approval) for both Intro to Business and Personal Finance. Students will also have the opportunity to participate in DECA to gain hands-on business experience. Through real-world projects and case studies, students explore marketing, management, finance, personal budgeting, and entrepreneurship while earning potential college credit and an industry-recognized credential.

***Dual Credit through Missouri State is offered in this course (Pending approval).**

Dual credit availability is subject to change

PRACTICAL ARTS: ENGINEERING & TECHNOLOGY COURSES

COURSE NUMBER	COURSE NAME	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
PA107C	Precision Machining Technology I	9-12	Semester	None
PA109C	Precision Machining Technology II	9-12	Semester	Precision Machining Technology I (C or better)
PA210C	Woodworking and Carpentry I	9-12	Semester	None
PA213C	Woodworking and Carpentry II	9-12	Semester	Woodworking and Carpentry I (C or better) or teacher recommendation
PA106A/B	Introduction to Engineering Design*	9-12	Full Year	None
PA204A/B	Principles of Engineering*	10-12	Full Year	Algebra I
PA208A/B	Aerospace Engineering*	10-12	Full Year	Algebra I
PA205A/B	Civil Engineering and Architecture*	10-12	Full Year	None
PA206A/B	Computer Integrated Manufacturing – CIM (Robotics)* (WILL NOT be offered 2026-2027)	10-12	Full Year	None
PA207A/B	Digital Electronics*	10-12	Full Year	None
PA501A/B	AP Computer Science Principles*	10-12	Full Year	Algebra I , SmashCode I and SmashCode II
PA209A/B	Environmental Sustainability*	10-12	Full Year	Biology
PA306A/B	Engineering Design and Development (Capstone)*	10-12	Full Year	Introduction to Engineering Design AND 1 other Engineering course OR Teacher approval

***College Credit Available**
(Subject to Change)

Note: If enrolled in Intro to Engineering Design, an additional engineering course can be taken concurrently.

GRADUATION REQUIREMENT: All students are required to pass a minimum of **one credit** of Practical Arts to graduate.

PRACTICAL ARTS: ENGINEERING COURSES

Precision Machining Technology I (PA107C)

Grade: 9, 10, 11, 12

Prerequisite: None

.5 Practical Art or Elective Credit

Semester

Precision Machining is an introductory course in manufacturing processes associated with metal fabrication. The course begins with students learning to work safely with common hand tools and power equipment found in industry such as the drill press, horizontal bandsaw, metal lathe, vertical mill, and welding equipment. Students will construct projects that are focused on proper set up and use of each of the machines listed above. Students will also master print reading, measurement and layout, and most importantly safety. **There will be a set fee to cover the cost of the predefined project for this course**

Precision Machining Technology II (PA109C)

Grade: 9, 10, 11, 12

Prerequisite: Precision Machining Technology I (C or better)

.5 Practical Art or Elective Credit

Semester

Students will study physical characteristics of common metal types and explore how these properties affect the design of a project. Students will also learn advanced manufacturing techniques such as CNC machining using a plasma cutter. Machine proficiency will be demonstrated through the design and construction of numerous open-ended projects including, jewelry making, scrap metal art, a 3-D welded object, and a project of the student's own design at the end of the course. All projects are the student's to keep. **Students will calculate a bill of materials and pay for their final project.**

Woodworking & Carpentry I (PA210C)

Grade: 9, 10, 11, 12

Prerequisite: None

.5 Practical Art or Elective Credit

Semester

Are you looking for a course that involves practical applications of math and science topics? Are you considering a career that is hands on, rewarding, and doesn't involve sitting in a cubicle all day? Check out Woodworking & Carpentry!! Students will study trees and how the properties of the wood affect the design of a project. Students will design and construct several wood projects during the year, such as a candle holder, a pen, a toolbox and more. A high emphasis is placed on safety around hand and power tools. Students will use a wide variety of hand tools, power tools and machines to construct their projects. **Students are expected to pay for the wood that they use to construct the projects that they will take home.**

Woodworking & Carpentry II (PA213C)

Grade: 9, 10, 11, 12

Prerequisite: Woodworking and Carpentry I (C or better) or middle school teacher recommendation

.5 Practical Art or Elective Credit

Semester

In this course, students will build upon the basic skills learned in Woodworking 1. Students will study more advanced woodworking techniques beginning with using a jointer, planer, table saw and miter saw to square up a rough-cut board. Students will then learn how to layout and create a picture frame using the router, followed by different jointery techniques and methods by building a wooden box. The course will conclude with students planning, sketching, pricing and building a unique project of their choice. **Students will be expected to pay for the final project according to their calculated bill of materials.**

PRACTICAL ARTS: PLTW COURSES

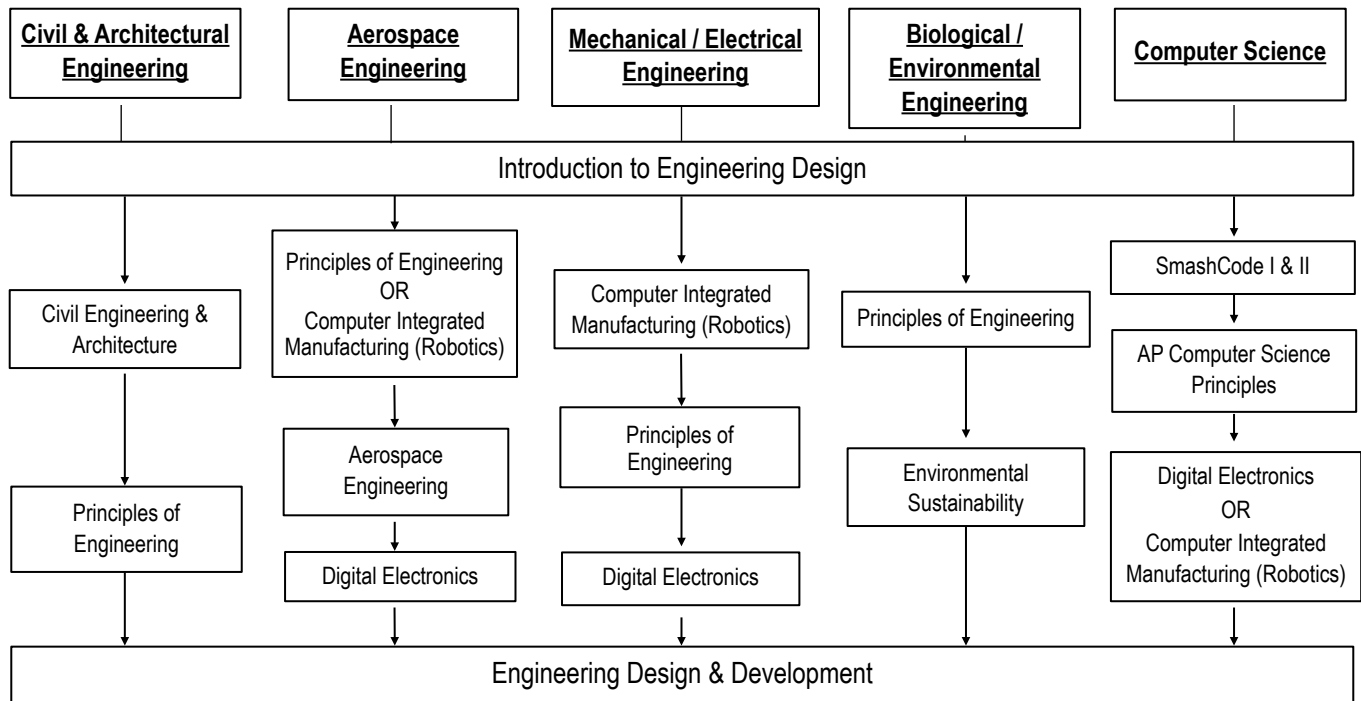
The Kirkwood Engineering & Technology department would like to introduce you to our current pre-engineering offerings. Our department offers courses developed by Project Lead the Way (PLTW).

Project Lead The Way® (PLTW) is a not-for-profit organization that promotes pre-engineering courses for middle and high school students. PLTW forms partnerships with public schools, higher education institutions and the private sector to increase the quantity and quality of engineers and engineering technologists graduating from our educational system.

The courses in our program are an excellent choice for the high level math and science student interested in engineering or other high tech fields. Kirkwood High School is a national PLTW network school which allows our students the opportunity to take *all of our PLTW engineering courses for college credit.*

PRACTICAL ARTS: ENGINEERING - PLTW COURSES

Flow for students interested in specific engineering disciplines



Introduction to Engineering Design (PA106A/PA106B)

1 Practical Art or Elective Credit
Year

Grade: 9, 10, 11, 12

Prerequisite: None

Intro to Engineering Design (IED) focuses on developing problem solving skills using a design development process that is used by engineers. IED is a hands-on class where students create models of product solutions, analyze them and communicate their solutions with presentations to the class. Much of the modeling is done with 3D modeling software such as Autodesk's 3-D CAD program which students use to design a puzzle cube, a mechanical toy, and a solar car they later build.

***Dual credit available to students attending Missouri S&T upon completion of TWO accepted classes.**

Principles of Engineering (PA204A/PA204B)

1 Practical Art or Elective Credit
Year

Grade: 10, 11, 12

Prerequisite: Algebra I

Principles of Engineering blends scientific concepts, mathematical solutions and hands-on activities related to different areas of engineering. Students will learn about different fields of engineering, mechanical systems, statics, materials and testing and kinematics. Students learn how engineers and technicians use math, science and technology in engineering problem solving projects such as using a Vex robotics system to build a material sorter with the capability of sorting three different materials; creating a ping pong launcher with Vex equipment and testing devices for accuracy and distance; building balsa wood bridges and testing to see how much weight the bridges support; and building a remote control automobile.

***Dual credit available to students attending Missouri S&T upon completion of TWO accepted classes.**

PRACTICAL ARTS: ENGINEERING & TECHNOLOGY

Aerospace Engineering (PA208A/PA208B)

Grade: 10, 11, 12

NCAA Approved Course

1 Practical Art or Elective Credit

Prerequisite: Algebra I

Year

Aerospace Engineering focuses on the physics of flight and applies these concepts to a variety of topics including glider design, flight planning and navigation, composite materials and material testing, jet engine and rocket propulsion, rocket design, effects of flight on humans, space travel, orbital mechanics, and remote robotics systems through simulations and hands-on projects. Students design, build and fly gliders and rockets and use various simulators including flight simulators and turbine engine simulators.

***Dual credit available to students attending Missouri S&T upon completion of TWO accepted classes.**

Civil Engineering and Architecture (PA205A/PA205B)

Grade: 10, 11, 12

1 Practical Art or Elective Credit

Prerequisite: None

Year

Civil Engineering and Architecture (CEA) focuses on the fields of Civil Engineering and Architecture. The major focus of the course is a long-term project that involves the development of a local property site. As students learn about various aspects of civil engineering and architecture, they apply what they learn regarding architectural styles, affordable housing design, and commercial development to design and develop a property. Students work in teams, using state of the art CAD software to solve real world problems and communicate solutions to hands-on projects and activities.

***Dual credit available to students attending Missouri S&T upon completion of TWO accepted classes.**

Computer Integrated Manufacturing-CIM (Robotics) (PA206A/PA206B)

Grade: 10, 11, 12

1 Practical Art or Elective Credit

Prerequisite: None

Year

This is a course that applies principles of robotics and automation. Students use CNC equipment to produce actual models of three-dimensional objects designed using CAD software. Fundamental concepts of robotics used in automated manufacturing and design analysis are included and applied using RoboCell, Edge Cam, and Inventor software throughout the course. Students program a robotic arm to pick, place, and stack assorted objects. Students will also learn about Gcode programming and tooling for CNC machining to engrave a yo-yo. Finally, students create a project on the Laser Engraver.

***Dual credit available to students attending Missouri S&T upon completion of TWO accepted classes.**

(COMPUTER INTEGRATED MANUFACTURING WILL NOT BE OFFERED 2026-2027; WILL BE OFFERED 2027-2028)

Digital Electronics (PA207A/PA207B)

Grade: 10, 11, 12

1 Practical Art or Elective Credit

Prerequisite: None

Year

This course is designed to give students a fundamental understanding of the concepts and applications of electricity and electronics. Students will both learn about the application of electronic circuits, electronic devices, and digital electronics, and they will operate these devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. This course prepares students to explore computers and programmable logic controllers used in today's industry through projects such as wiring breadboards, building circuits to display a digital readout of their birthdate, and programming a microcontroller to run VEX robots.

***Dual credit available to students attending Missouri S&T upon completion of TWO accepted classes.**

(DIGITAL ELECTRONICS WILL BE OFFERED 2026-2027; WILL NOT BE OFFERED 2027-2028)

AP Computer Science Principles (PA501A/PA501B)

Grade: 10, 11, 12

1 Practical Art or Elective Credit

Prerequisite: Algebra I & highly recommended you take SmashCode I & II before taking CSP

Year

Computer Science Principles (CSP) develops students' computational thinking and problem solving skills. The course engages students by introducing them to computationally intensive career paths. CSP fosters creativity and collaboration while developing programming expertise and exploring the working of the internet. CSP implements up to eight different computer languages in projects involving app development, visualization of data, cybersecurity, robotics and simulations.

Using Python® as a primary tool, students explore and become inspired by career paths that utilize computing, discover tools that foster creativity and collaboration, and use what they've learned to tackle challenges like app development and simulation. It is recommended that students take SmashCode before taking this course. Computer Science Principles is endorsed by the College Board, giving students the opportunity to take the AP CSP exam for college credit.

***Dual credit available through Missouri S&T.**

PRACTICAL ARTS: ENGINEERING & TECHNOLOGY

Environmental Sustainability (PA209A/PA209B)

Grade: 10, 11, 12

NCAA Approved Course

1 Practical Art or Elective Credit

Year

Prerequisite: One credit earned in Biology

Environmental Sustainability (ES) builds on prior biology knowledge to provide an overview of engineering applications which merge biology, technology, and engineering. ES focuses on applying content knowledge and engineering skills to solve design problems which address current global crises. In this course, students will look at how engineering design processes can be used to provide clean, safe drinking water; ensure food security for a growing population; and provide affordable, renewable energy. Student projects include building water filtration and remediation devices, designing a genetically modified organism, and optimizing biological production of alternative fuels.

***Dual credit available to students attending Missouri S&T upon completion of TWO accepted classes.**

Engineering Design and Development (Capstone) (PA306A/PA306B)

Grade: 10, 11, 12

1 Practical Art or Elective Credit

Year

Prerequisite: Intro to Engineering Design

"Don't you hate it when..." is a common statement made by people that are constantly thinking of ways to improve products or situations. Engineering Design and Development is the course that allows you to design a solution to a technical problem of your choosing. Now is your chance to eliminate one of the "Don't you hate it when..." statements of the world.

This course is an engineering research course in which you will work in teams to research, design, and construct a solution to an open-ended engineering problem. The product development lifecycle and a design process will be used to guide and help your team reach a solution to the problem. You and your team will present and defend your solution to a panel of outside reviewers at the end of the school year.

Engineering Design and Development serves as the **capstone course** within the Project Lead the Way course sequence and allows you to apply all the skills and knowledge learned in the previous Project Lead the Way, Inc. courses that you have taken during your high school career. Inventor, which is a state of the art 3-D design software package from AutoDesk, will help you design solutions to the problem you and your team have chosen. This course will also test your time management and team working skills which are a valuable asset to you in the future.

***Dual credit available to students attending Missouri S&T upon completion of TWO accepted classes.**

Dual credit availability is subject to change.

PRACTICAL ARTS: FAMILY & CONSUMER SCIENCE COURSES

COURSE NUMBER	COURSE NAME	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
PA120C	All the FACS	9	Semester	None
PA110C	Fashion Construction I	9-12	Semester	None
PA111C	Fashion Construction II	9-12	Semester	Fashion Construction I
PA401C	Independent Fashion Construction	10-12	Semester	Fashion Construction I & II
PA112C	Art and Science of Foods I	9-12	Semester	None
PA118C	Art and Science of Baking & Pastries	9-12	Semester	Grade of C+ or better in Art & Science Foods I
PA113C	Art and Science of Foods II	9-12	Semester	Grade of C+ or better in Art & Science Foods I
PA114C	Intro to Fashion & Interior Design*	9-12	Semester	None
PA117C	Advanced Fashion & Interior Design	9-12	Semester	Intro to Fashion & Interior Design
PA203C	Child Development I*	11-12	Semester	None
PA307C	Child Development II*	11-12	Semester	Child Development I
PA308C	Child Development III	11-12	Semester	Child Development I & II; Teacher Approval
PA322A/B	Teaching and Learning Cohort	11-12	Full Year	None

***College Credit Available**

(Subject to Change)

GRADUATION REQUIREMENT: All students are required to pass a minimum of **one credit** of Practical Arts to graduate.

PRACTICAL ARTS: FAMILY & CONSUMER SCIENCE

<u>Culinary Arts</u> All the FACS Art & Science of Foods I Art & Science of Foods II Art & Science of Baking & Pastries	<u>Fashion Design</u> All the FACS Intro to Fashion & Interior Design Fashion Construction I Fashion Construction II Advanced Fashion & Interior Design Independent Fashion Construction	<u>Interior Design</u> All the FACS Intro to Fashion & Interior Design Advanced Fashion & Interior Design	<u>Education</u> All the FACS Child Development I Child Development II Child Development III
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All the FACS (PA120C)

.5 Practical Art or Elective Credit

Grade: 9

Semester

Prerequisite: None

This is an introductory class for the area of family and consumer sciences. It is designed to present foundational subject matter in all areas of FACS: From fashion and interior design to foods/cooking & family life. Students will begin to build their culinary skills in cooking labs, construct a textile project, practice design basics and learn about children and family relationships!

Fashion Construction I (PA110C)

.5 Practical Art or Elective Credit

Grade: 9, 10, 11, 12

Semester

Prerequisite: None

Additional Costs: This course requires students to purchase supplies as we progress through the semester. Cost is individual, as they choose their own fabrics.

Would you like to create your own clothing, learn to use a sewing machine, and identify sewing techniques which produce high quality garments? You will make two fantastic apparel items while learning and practicing these skills Project Runway style! The projects include a fabulous accessory bag and a garment of choice. **Students must provide their own materials for this class.**

Fashion Construction II (PA111C)

.5 Practical Art or Elective Credit

Grade: 9, 10, 11, 12

Semester

Prerequisite: One-half credit earned in Apparel I (recommended C or better)

Additional Costs: This course requires students to purchase supplies as we progress through the semester. Cost is individual, as they choose their own fabrics.

Take your sewing skills to the next level! In this hands-on course, students will make three apparel garments of choice. The student will build on basic skills, learn new techniques, and have an opportunity to work with interesting fabrics, linings and special seam finishes. **Students must provide their own materials for this class and are expected to have them early in the semester.**

Independent Fashion Construction (PA401C)

.5 Practical Art or Elective Credit

Grade: 10, 11, 12

Semester

Prerequisite: One-half credit earned in Fashion Construction I & II (formally Apparel I&II) - Teacher approval required

Additional Costs: This course requires students to purchase supplies as we progress through the semester. Cost is individual, as they choose their own fabrics.

Students who have completed Fashion Construction I and II will continue working on their sewing skills. Projects will be chosen by students and approved by the teacher.

PRACTICAL ARTS: FAMILY & CONSUMER SCIENCE

Art and Science of Foods I (PA112C)

Grade: 9, 10, 11, 12

Prerequisite: None

Art and Science of Foods I is a gamified course that offers authentic opportunities for students to investigate the principles of food preparation in a food network style learning course. You will build a foundation to become self-sufficient in the kitchen and participate in culinary challenges in the foods lab to prepare a variety of foods from apple empanadas to risotto, all made from scratch of course! Are you a gamer? This will be the class for you!

.5 Practical Art or Elective Credit
Semester

Art and Science of Baking & Pastries (PA118C)

Grade: 9, 10, 11, 12

Prerequisite: One-half credit earned in Art & Science of Foods I

This is a course that offers authentic opportunities for you to build upon the beginning baking skills learned in the Art & Science of Foods I. Students will prepare scrumptious desserts such as creme puffs, macaroons, and ice cream while practicing for Cake Wars and The Next Top Baker challenges. Learn to plate eye-catching desserts along with designing your own custom cake. Got a sweet tooth? This could be the class for you!

.5 Practical Art or Elective Credit
Semester

Art and Science of Foods II (PA113C)

Grade: 9, 10, 11, 12

Prerequisite: One-half credit earned in Art & Science of Foods I

Art and Science of Foods II is a gamified course that offers creative opportunities for students to collaborate, design and produce high quality foods based on the principles of science in the kitchen. Students will participate in gamified culinary challenges from creating their own seasoned popcorn to battling it out in the KHS Cupcake Wars competition. Are you a gamer? This class is for you!

.5 Practical Art or Elective Credit
Semester

Intro to Fashion & Interior Design (PA114C)

Grade: 9, 10, 11, 12

Prerequisite: None

Ever dreamed of designing your own dress or do you love to decorate your bedroom? This course focuses on the introductory principles of design, vocabulary, color, and development of artistic skills in both Interior Design and Fashion Design. One quarter will focus on Interior Design and the other quarter on Fashion Design. Will you be the next KHS Design Star?

***Dual credit available through Missouri State University.**

.5 Practical Art or Elective Credit
Semester

Advanced Fashion & Interior Design (PA117C)

Grade: 9, 10, 11, 12

Prerequisite: One-half credit earned in Intro to Fashion & Interior Design

Did you love Intro to Fashion & Interior Design? Does a career in design interest you? Take your fashion and interior design skills to the next level in this course. Students will enhance their design skills through advanced sketching techniques, textile design, experimenting with color, fabric and creating functional living spaces. Project Runway & HGTV here we come!

.5 Practical Art or Elective Credit
Semester

Child Development I (PA203C)

Grade: 11, 12

Prerequisite: None

Are you interested in becoming a teacher or working with children in some capacity? In this course, you will learn about children, their development stages, and how they learn. Students will go off campus to a preschool or elementary school classroom every block day and spend the period with young children. During this time you will be expected to interact with the children by assisting them in class work as well as read aloud to children. College credit is also available for this course. **This course has a strict attendance policy.**

***Dual credit available through Missouri State University.**

.5 Practical Art or Elective Credit
Semester

PRACTICAL ARTS: FAMILY & CONSUMER SCIENCE

Child Development II (PA307C)

.5 Practical Art or Elective Credit

Grade: 11, 12

Semester

Prerequisite: One-half credit earned in Child Development I

This course is a continuation of Child Development I studying characteristics of the school-age child, third through sixth grade. Techniques to educate elementary age students will be the main focus and students will go off campus every block day as well as Fridays to an elementary classroom. During this time you will be expected to interact with the children by helping them with classwork as well as taking on the role of a teacher and teaching two mini lessons. **This course has a strict attendance policy.**

***Dual credit available through Missouri State University. Must earn dual credit in Child Development I in order to also gain credit in Child Development II.**

Child Development III (PA308C)

.5 Practical Art or Elective Credit

Grade: 11, 12

Semester

Prerequisite: One-half credit earned in Child Development I & II — Teacher Approval Form Required

Students who have completed Child Development I & II will continue their study of Early Childhood Education. Students will complete one semester of a practicum in a preschool or an elementary setting. Students will research a career choice as well as create an introduction to a professional portfolio. Students must provide their own transportation. **This course has a strict attendance policy.**

Teaching and Learning Cohort (PA322A & PA322B)

2 Practical Art or Elective Credits

Grade: 11, 12

Full Year

Prerequisite: None, recommended Child Development I

Think you might want to be a teacher? Be a part of our grow-your-own educator program, and explore teaching through classroom observations and hands-on teaching of small-group and whole-group lessons in K-8 classrooms throughout the Webster Groves School District! Teaching and Learning Cohort members will also participate in seminar-style classes to study best practices in teaching and to reflect on their learning along the way. Through our partnership with Webster University, students gain access to Webster University's AI classroom simulator and workshop sessions with the Interim Dean of Education as well as other faculty. Students may earn up to 4 hours of college credit for this coursework.

Dual credit availability is subject to change.

PERSONAL FINANCE

PERSONAL FINANCE

COURSE NUMBER	COURSE NAME	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
PF200C	Personal Finance*†	10-12	Semester	None
PA502A/B	AP Business with Personal Finance*	10-12	Full Year	B or better in a previous business course or teacher recommendation

*College Credit Available (see page 10)

†Also available as a Virtual KHS PeLA course (see page 111)

(Subject to Change)

GRADUATION REQUIREMENT: The Missouri Department of Elementary and Secondary Education requires every student earn **one-half credit** of Personal Finance to meet graduation requirements.

Personal Finance (PF200C)

Grade: 10, 11, 12

Prerequisite: None

.5 Personal Finance Credit

Semester

Take charge of your finances! Personal Finance allows students to explore a variety of topics designed to help them meet the challenges of life during and after high school. The course examines principles and techniques for handling personal financial decisions: college / career research, major purchases, personal budgeting, credit, insurance, savings / investing and more.

***Dual credit through Missouri State University is offered in this course.**

AP Business with Personal Finance (PA502A/PA502B)

Grade: 10, 11, 12

Prerequisite: B or better in a previous business course or teacher recommendation

1 Practical Art or Elective Credit

Year

Looking for a challenging and career-focused elective? Then AP Business with Personal Finance is for you. This year-long course gives students the tools to understand how businesses work, make smart financial decisions, and build skills for college and career success.

Students will earn their personal finance credit and the course is eligible for dual credit through Missouri State University (pending approval) for both Intro to Business and Personal Finance. Students will also have the opportunity to participate in DECA to gain hands-on business experience. Through real-world projects and case studies, students explore marketing, management, finance, personal budgeting, and entrepreneurship while earning potential college credit and an industry-recognized credential.

***Dual Credit through Missouri State is offered in this course (Pending approval).**

Dual credit availability is subject to change.

PHYSICAL EDUCATION & HEALTH

PHYSICAL EDUCATION & HEALTH

COURSE NUMBER	COURSE NAME	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
PHYSICAL EDUCATION				
PE100C	Aquatics I	9-12	Semester	None
PE107C	Lifeguard Training	9-12	Semester	Must be 15 years old on or before the final exam
PE103C	Dance & Fitness	9-12	Semester	None
PE113C	Yoga for Fitness & Wellbeing	9-12	Semester	None
PE114C	Walking for Fitness	9-12	Semester (Fall Only)	None
PE101C	Lifetime Fitness†	9-12	Semester (Spring Only)	None
PE104C	Recreational Sports & Fitness	9-12	Semester	None
PE110C	Strength, Conditioning & Fitness	9-12	Semester	None
PE111C	Advanced Strength, Conditioning & Fitness	9-12	Semester	Strength, Conditioning & Fitness or Teacher approval
PE109C	Team Sports & Fitness 9 10	9-10	Semester	None
PE302C	Team Sports & Fitness 11 12	11-12	Semester	None
HEALTH				
HE100C	Health & Family Education 9 10†	9-10	Semester	None
HE300C	Health & Family Education 11 12†	11-12	Semester	None

†Also available as a Virtual KHS PeLA course (see page 111)

GRADUATION REQUIREMENT: All students are required to pass a minimum of **one credit** of Physical Education and a minimum of **one-half credit** of Health to graduate.

The State of Missouri requires two semesters of Physical Education. At Kirkwood High School, we focus on personal fitness based classes. Heart rate monitors may be utilized in order to evaluate a baseline for fitness. Even if you do not consider yourself an athlete, you can excel in our programs to meet your fitness needs. We know that a healthy lifestyle contributes to overall health. High school students should engage in moderate to vigorous activity for 60 minutes nearly every day. We take this charge seriously and make every effort for students to make changes to their lifestyle or learn how to have a healthy one. Our weight room is offered free of charge after school to every current Kirkwood High School student. Currently, it is available Monday through Thursday from 3:00-4:00 PM; supervised by a certified coach to help answer any questions or help set up specific programs.

PHYSICAL EDUCATION

Aquatics I (PE100C)

Grade: 9, 10, 11, 12

.5 Physical Education or Elective Credit

Semester

This is an introductory PE class. No swimming experience necessary. This class will promote cardiovascular fitness through participation in a variety of aquatic activities. Non-swimmers will be provided with a strong foundation to progress toward becoming a competent swimmer. Emphasis will be placed on buoyancy and breathing, entries and exits, and personal safety in a variety of methods including skill and game-related activities. Experienced swimmers will also benefit from the course by participating in higher levels of stroke development and cardiovascular fitness.

Lifeguard Training (PE107C)

Grade: 9, 10, 11, 12

.5 Physical Education or Elective Credit

Semester

Prerequisite: Must be 15 years old on or before the final exam of this course.

Students in this course will be trained as an American Red Cross Lifeguard. This course is designed to provide entry-level lifeguards the knowledge and skills to prevent, recognize, and respond to aquatic emergencies. The students will be trained for breathing and cardiac emergencies, injuries, and sudden illnesses until emergency medical services (EMS) personnel take over.

Dance and Fitness (PE103C)

Grade: 9, 10, 11, 12

.5 Physical Education or Elective Credit

Semester

Dance is offered for 9-12 graders. With an emphasis on fitness, students will dance and participate in various activities to improve overall health. Activities include aerobics (dance and step aerobics), ballet, cardio kickboxing, fitness walking, hip hop, jazz, line dancing, pilates, running, social dancing, spinning, tap, weight training, yoga and Zumba.

Yoga for Fitness & Wellbeing (PE113C)

Grade: 9, 10, 11, 12

.5 Physical Education or Elective Credit

Semester

This course offers students an opportunity to reduce stress and enhance strength, balance, flexibility, and self-confidence through the practice of yoga. Students will explore basic yoga poses, experiment with various styles, and gain an understanding of eight limbs of yoga. Along the way, they will reflect on their learning, set personal goals, and engage in classes focused on poses, sequencing, and individual practice. Emphasis is placed on self-calming techniques that can be applied both on and off the mat. This course is designed to be accessible to all fitness levels.

Walking for Fitness (PE114C)

Grade: 9, 10, 11, 12

.5 Physical Education or Elective Credit

Fall Semester Only

This course is designed to help students develop the knowledge and skills necessary to maintain a healthy and active lifestyle through walking and other low-impact exercises. Emphasis will be placed on improving fitness, and students will participate in a variety of fitness assessments to track their progress. The class will also explore walking techniques on different terrains and in varying weather conditions, helping students build confidence and adaptability in their fitness routines. Students should expect to walk daily in a variety of weather and temperatures. This course is only offered in the Fall semester.

Lifetime Fitness (PE101C)

Grade: 9, 10, 11, 12

.5 Physical Education or Elective Credit

Spring Semester Only

Students in this class will learn activities essential to overall health and wellness. Activities include fitness walking, running, weight training, aerobics, yoga, pilates, stability and bosu balls, resistance bands, jump rope and other fitness-based activities based on teacher discretion and available facilities. This course is only offered in the Spring semester.

Recreational Sports and Fitness (PE104C)

Grade: 9, 10, 11, 12

.5 Physical Education or Elective Credit

Semester

Students will develop skills and learn strategies in pickleball, badminton, frisbee golf and ultimate frisbee. Rec Sports includes other fitness-based activities based on teacher discretion and available facilities.

PHYSICAL EDUCATION & HEALTH

Strength, Conditioning and Fitness (PE110C)

.5 Physical Education or Elective Credit

Grade: 9, 10, 11, 12

Semester

Students will learn to develop skills and learn techniques in weight training and conditioning. Individual routines and other fitness activities will make up the daily schedule and will be geared specifically to the individual.

Advanced Strength, Conditioning and Fitness (PE111C)

.5 Physical Education or Elective Credit

Grade: 9, 10, 11, 12

Semester

Prerequisite: Must have taken Strength & Conditioning previously or have teacher approval

Advanced Strength and Conditioning is designed for those student-athletes and exercise enthusiasts that want to increase their strength and develop advanced lifting skills. Routines consist of a weight-training program based on individual skills and development. The focus is to improve a student's power, strength, flexibility, mobility, muscular endurance, and agility by stressing technique and attention to detail. If students aspire to play sports, cheer/dance after graduating high school this is the class for you.

Team Sports & Fitness 9 10

.5 Physical Education or Elective Credit

Grade: 9, 10 (PE109C)

Semester

The Team Sports class is a sports-based course which emphasizes all areas of participation in a variety of sports and sport-activities. The student will learn an array of necessary skills, terminology, rules and will interact in situations that are relative to the origin of the sport. Team Sports students will participate in Basketball, Football, Softball, Speedball, Soccer, and other fitness-based activities based on available facilities and teacher discretion.

Team Sports & Fitness 11 12

.5 Physical Education or Elective Credit

Grade: 11, 12 (PE302C)

Semester

Same as above, but offered for Juniors and Seniors.

HEALTH

Health & Family Education 9 10 (HE100C)

.5 Health Credit

Grade: 9, 10

Semester

Prerequisite: None

Students can take Health at any point during their high school career, with most taking it during 9th or 10th grade. We know the choices teens make can set the stage for years to come. Health covers goals, decision-making, conflict resolution, healthy relationships, anatomy, reproduction, sexually transmitted infections, abstinence and contraception. We also deal with problems in society such as addiction, alcohol and tobacco, drugs, depression and suicide, eating disorders and abuse. Guest speakers throughout the semester add to the content. The CPR requirement for graduation will be achieved in this course.

Health & Family Education 11 12 (HE300C)

.5 Health Credit

Grade: 11, 12

Semester

Prerequisite: None

Same as above, but offered for Juniors and Seniors.

ELECTIVES

When graduation credit requirements are satisfied, additional courses completed in that content area will be delegated an elective credit.

- **ACT Prep.....page 89**

Courses listed in the following departments also qualify as Elective credit:

- **Journalism Department.....page 90**
- **World Language Department.....page 93**

ELECTIVES: ACT PREP

COURSE NUMBER	COURSE NAME:	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
EL116C	ACT PREP†	10-12	Semester	None

†Also available as a Virtual KHS PeLA course (see page 111)

GRADUATION REQUIREMENT: All students are required to pass a minimum of **7 credits** of Electives to graduate and ACT Prep qualifies as an elective credit.

ACT Prep (EL116C)

Grade: 10, 11, 12

Prerequisite: None

.5 Elective Credit

Semester

The ACT Prep course helps students reach their full potential by turning ACT preparation into an engaging and empowering experience. Students will master ACT-specific strategies, strengthen essential academic skills, and gain insight into how the ACT is designed. Through focused practice, score analysis, and fun class challenges, they'll build both confidence and competence for each ACT subtest. The result will be a deeper understanding of the test, improved performance, and enhanced opportunities for post-secondary opportunities.

We do not encourage rising 9th graders to sign up for this class. ACT prep is intended for students who are actively preparing for a national exam.

This class is also offered virtually through the Pioneer eLearning Academy (PeLA).

ELECTIVES: JOURNALISM COURSES

COURSE NUMBER	COURSE NAME:	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
JOURNALISM: ELECTIVE CREDIT				
EL102C	Journalism I†	9-12	Semester	None
EL114C	Photojournalism	9-12	Semester	None
EL203A/B	Multimedia Broadcast	9-12	Full Year	None
EL201A/B	Magazine Journalistic Writing II <i>(The Kirkwood Pioneer)</i>	10-12	Full Year	Application Process
EL290A/B	Magazine Journalistic Writing II Honors <i>(The Kirkwood Pioneer)</i>	10-12	Full Year	Application Process
EL202A/B	Newspaper Journalistic Writing II <i>(The Kirkwood Call)</i>	10-12	Full Year	Application Process
EL291A/B	Newspaper Journalistic Writing II Honors <i>(The Kirkwood Call)</i>	10-12	Full Year	Application Process

†Also available as a Virtual KHS PeLA course (see page 111)

GRADUATION REQUIREMENT: All students are required to pass a minimum of **7 credits** of Electives to graduate and any Journalism class qualifies as an elective credit.

For students who are enrolled in the same Journalism course for a second year may take the course for Practical Arts credit. Students are required to pass a minimum of **one credit** of Practical Arts to graduate.

ELECTIVES: JOURNALISM

Journalism I (EL102C)

Grade: 9, 10, 11, 12

NCAA Approved Course

.5 Elective Credit
Semester

Prerequisite: None

This one-semester writing-intensive course is a survey of the history, ethics, practices, and methods of newspaper and magazine journalism. Using professional style rules, students learn how to write articles in the areas of news, features, editorials and sports. Additionally, they write leads, headlines and captions. They also learn key elements in graphic design, photojournalism, multimedia, social media, and advertising. Furthermore, there is a heavy emphasis on the rights and responsibilities of student journalists. This course is highly recommended for students interested in applying for a position on the staff of *The Kirkwood Call*, the school newspaper, or *The Kirkwood Pioneer*, the school yearbook.

Photojournalism (EL114C)

Grade: 9, 10, 11, 12

.5 Elective Credit
Semester

Prerequisite: None

Students will learn to operate a digital SLR camera for using all manual settings. Photographic composition and developing a photographic eye are key outcomes of the course. Photography assignments and activities are based on the principles of both photography and journalism. Media law and ethics, as it applies to photojournalists, will be studied. No equipment or previous photography background is needed. An interest in photography and photojournalism is required.

Multimedia Broadcast (EL203A/EL203B)

Grade: 9, 10, 11, 12

1 Elective Credit*
Year

Prerequisite: None

Restriction: 10-12th graders must apply for a position in this class; they are selected by the editors and adviser. 9th graders will be KHTV apprentices so application process is not necessary.

Although not mandatory, it is suggested that students take Journalism or Photojournalism.

Students produce the live broadcast of KHTV and create content for TheKirkwoodCall.com, which includes daily news and school announcements, news story packages, promos, and public service announcements. Students work in a lab environment under the guidance of student producers and an adviser as they master various skills including camera work, interviewing, digital editing, pre-and post-production, and advertising and promotions. Students will be expected to meet daily and long-term deadlines on project based, out-of-class assignments. Students can expect to spend approximately 20 hours a month outside of class independently and/or during publication deadlines. Please see adviser for application.

*Students enrolled for a second year may take the course for Practical Arts credit.

Magazine Journalistic Writing II (*The Kirkwood Pioneer*) (EL201A/EL201B)

Grade: 10, 11, 12

1 Elective Credit*
Year

Prerequisite: None

Restriction: Students must apply for a position in this class; they are selected by the editors and adviser. Although it is not mandatory, it is suggested that students take Journalism I or Photojournalism.

This class is a learner lab in which students create *The Kirkwood Pioneer* under the guidance of an adviser. Students learn design and photographic composition skills. Emphasis is placed on such writing skills as clarity, sentence variety, syntax and journalistic style rules. Students are expected to edit copy and design. Students will work with each other to develop layouts and create and gather all elements necessary for spreads: photographs, captions, graphics, copy and ethics consistent with responsible journalism. All students will also be required to sell advertising. At least 15 after-school hours a month are required of students. Please see adviser for application.

*Students enrolled for a second year may take the course for Practical Arts credit.

ELECTIVES: JOURNALISM

Magazine Journalistic Writing II Honors (*The Kirkwood Pioneer*) (EL290A/EL290B)

1 Elective Credit
Year

Grade: 11, 12

Prerequisite: None

Restriction: Students must apply for a position in this class; they are selected by the prior year's editorial board and the adviser. The class may consist of the editor(s)-in-chief and associate editors of the yearbook staff.

Students taking this course will be responsible for leading a staff of their peers as they produce *The Kirkwood Pioneer*, the school yearbook. As editors, students will be expected to serve as role models for their staff members. They will oversee teams of students producing various pages and elements of the yearbook, including writing, photography, art, graphic design and advertising. Each member will be responsible for some aspect of production. Furthermore, student editors can expect to spend approximately 30 hours a month outside of class independently and/or during publication deadlines.

Newspaper Journalistic Writing II (*The Kirkwood Call*) (EL202A/EL202B)

1 Elective Credit*
Year

Grade: 10, 11, 12

Prerequisite: None

Restrictions: Students must apply for a position in this class; they are selected by the editors and the adviser. Although not mandatory, it is suggested that students take Journalism I, Multimedia Broadcast I, and/or Photojournalism.

Students taking this course will be responsible for producing *The Kirkwood Call*, the school news magazine and TheKirkwoodCall.com website. Students will produce issues of *The Kirkwood Call* during the school year, and they will also produce a football program for the Turkey Day game when the game is at home. Students will work in teams to produce elements for the newspaper and website in the area of news, editorials, sports and features, photography, art, graphic design and advertising. Each member will be responsible for some aspect of production. All students will also be required to sell advertising. Students can expect to spend approximately 15 hours a month outside of class independently and/or during publication deadlines. Please see adviser for application.

*Students enrolled for a second year may take the course for Practical Arts credit.

Newspaper Journalistic Writing II Honors (*The Kirkwood Call*) (EL291A/EL291B)

1 Elective Credit
Year

Grade: 11, 12

Prerequisite: None

Restriction: Students must apply for a position in this class; they are selected by the prior year's editorial board and the adviser. The class may consist of the editor(s)-in-chief and associate editors of the newspaper staff.

Students taking this course will be responsible for leading a staff of their peers as they produce *The Kirkwood Call*, the school news magazine and TheKirkwoodCall.com website. As editors, students will be expected to serve as role models for their staff members. Students will produce *The Kirkwood Call* during the school year, and they will also produce a football program for the Turkey Day game when the game is at home. They will oversee teams of students producing elements for the newspaper and website in the areas of news, editorials, sports, features and entertainment, photography, art, graphic design and advertising. Each member will be responsible for some aspect of production. Student editors can expect to spend approximately 30 hours a month outside of class independently and/or during publication deadlines.

ELECTIVES: WORLD LANGUAGE COURSES

COURSE NUMBER	COURSE NAME	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
CHINESE				
EL104A/B	Chinese I	9-12	Full Year	None
EL204A/B	Chinese II	10-12	Full Year	Chinese I
EL301A/B	Chinese III (NOT OFFERED)	11-12	Full Year	Chinese II
EL390A/B	Chinese III Honors*	10-12	Full Year	Chinese II
EL401A/B	Chinese IV (NOT OFFERED)	12	Full Year	Chinese III
EL490A/B	Chinese IV Honors*	12	Full Year	Chinese III
FRENCH				
EL105A/B	French I	9-12	Full Year	None
EL205A/B	French II	9-12	Full Year	French I
EL302A/B	French III (NOT OFFERED)	10-12	Full Year	French II
EL391A/B	French III Honors*	10-12	Full Year	French II
EL402A/B	French IV (NOT OFFERED)	11-12	Full Year	French III
EL491A/B	French IV Honors*	11-12	Full Year	French III
EL500A/B	AP French Language and Culture*	12	Full Year	French IV
GERMAN				
EL106A/B	German I	9-12	Full Year	None
EL206A/B	German II	9-12	Full Year	German I
EL303A/B	German III (NOT OFFERED)	10-12	Full Year	German II
EL392A/B	German III Honors*	10-12	Full Year	German II
EL403A/B	German IV (NOT OFFERED)	11-12	Full Year	German III
EL492A/B	German IV Honors*	11-12	Full Year	German III
EL501A/B	AP German Language and Culture*	12	Full Year	German IV

*College Credit Available (see page 10)

ELECTIVES: WORLD LANGUAGE COURSES

COURSE NUMBER	COURSE NAME	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
SPANISH				
EL107A/B	Spanish I	9-12	Full Year	None
EL112A/B	Spanish II 9	9	Full Year	Spanish I
EL207A/B	Spanish II	10-12	Full Year	Spanish I
EL304A/B	Spanish III	10-12	Full Year	Spanish II
EL393A/B	Spanish III Honors*	10-12	Full Year	Spanish II
EL404A/B	Spanish IV	11-12	Full Year	Spanish III
EL493A/B	Spanish IV Honors*	11-12	Full Year	Spanish III
EL502A/B	AP Spanish Language and Culture*	12	Full Year	Spanish IV

*College Credit Available (see page 10)

GRADUATION REQUIREMENT: All students are required to pass a minimum of **7 credits** of Electives to graduate, and any World Language qualifies for an elective credit.

The **Missouri Seal of Biliteracy** is awarded to graduating high school students in districts who have demonstrated achievement in English, a language other than English, and sociocultural competence. Students who demonstrate proficiency in English and one or more World Languages will be eligible to receive this honor. The KHS transcript will be notated with the Seal and a number of Missouri universities have endorsed the seal by offering college credit hours. For more details see your grade level counselor.

NOTE: The study of world language leads to the development of skills that can be very rewarding in securing employment, in study and research in college, in understanding other peoples and their cultures, and in traveling. Learning such skills requires self-discipline and serious application on the part of the students. World language study can result in better study habits and methods that will prove useful in other subject areas.

ELECTIVES: CHINESE

Chinese I (EL104A/EL104B)

Grade: 9, 10, 11, 12

NCAA Approved Course

Prerequisite: None

1 Elective Credit
Year

This course is an introduction to basic language skills and culture.

Chinese II (EL204A/EL204B)

Grade: 10, 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level I.

Recommendation: In order to be most successful in this course, we recommend students earn a C or better in the previous required level.

1 Elective Credit
Year

Students will continue the progressive development of the language skills which they learned in Level I. They will expand their knowledge of vocabulary, grammar and linguistic structures.

Chinese III (EL301A/EL301B)

Grade: 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level II.

Recommendation: In order to be most successful in this course, we recommend students earn a C or better in the previous required level.

1 Elective Credit
Year

Students will improve those language skills acquired in Levels I and II. They will gain greater oral proficiency in the language and increase their knowledge of vocabulary, grammar and syntax.

CHINESE III WILL ONLY BE OFFERED AS AN HONORS COURSE.

Chinese III Honors (EL390A/EL390B)

Grade: 10, 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level II.

Recommendation: In order to be most successful in this course, we recommend students earn a B or better in the previous required level.

1 Elective Credit
Year

Students will improve those language skills acquired in Levels I and II. They will gain greater oral proficiency in the language and increase their knowledge of vocabulary, grammar and syntax. Honors students accept the challenge and rigor of a more aggressive pace, while completing the same material as Level III. Students will be expected to express more complex ideas orally and in writing, while reading and studying additional authentic literature.

***Dual credit available through Missouri State University.**

Chinese IV (EL401A/EL401B)

Grade: 12

NCAA Approved Course

Prerequisite: Full credit earned in Level III.

Recommendation: In order to be most successful in this course, we recommend students earn a C or better in the previous required level.

1 Elective Credit
Year

Students will review and improve upon those language skills acquired in previous levels. They will increase their command of the spoken and written language through reflection and analysis. Students will continue to develop language skills based upon abstract concepts. They will read and write more extensively while examining some advanced grammatical structures. The class will be conducted primarily in the target language.

CHINESE IV WILL ONLY BE OFFERED AS AN HONORS COURSE.

Chinese IV Honors (EL490A/EL490B)

Grade: 12

NCAA Approved Course

Prerequisite: Full credit earned in Level III.

Recommendation: In order to be most successful in this course, we recommend students earn a B or better in the previous required level.

1 Elective Credit
Year

Students will review and improve upon those language skills acquired in previous levels. They will increase their command of the spoken and written language through reflection and analysis. Students will continue to develop language skills based upon abstract concepts. They will read and write more extensively while examining some advanced grammatical structures. The class will be conducted primarily in the target language. Students taking IV Honors will be expected to move at an accelerated pace, showing a greater proficiency of the learned material, displaying a high level of intellectual curiosity and self-motivation.

***Dual credit available through Missouri State University.**

ELECTIVES: FRENCH

French I (EL105A/EL105B)

Grade: 9, 10, 11, 12

NCAA Approved Course

Prerequisite: None

**1 Elective Credit
Year**

This course is an introduction to basic language skills and culture.

French II (EL205A/EL205B)

Grade: 9, 10, 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level I.

Recommendation: In order to be most successful in this course, we recommend students earn a C or better in the previous required level.

**1 Elective Credit
Year**

Students will continue the progressive development of the language skills which they learned in Level I. They will expand their knowledge of vocabulary, grammar and linguistic structures.

French III (EL302A/EL302B)

Grade: 10, 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level II.

Recommendation: In order to be most successful in this course, we recommend students earn a C or better in the previous required level.

Students will improve those language skills acquired in Levels I and II. They will gain greater oral proficiency in the language and increase their knowledge of vocabulary, grammar and syntax.

FRENCH III WILL ONLY BE OFFERED AS AN HONORS COURSE.

French III Honors (EL391A/EL391B)

Grade: 10, 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level II.

Recommendation: In order to be most successful in this course, we recommend students earn a B or better in the previous required level.

**1 Elective Credit
Year**

Students will improve those language skills acquired in Levels I and II. They will gain greater oral proficiency in the language and increase their knowledge of vocabulary, grammar and syntax. Honors students accept the challenge and rigor of a more aggressive pace, while completing the same material as Level III. Students will be expected to express more complex ideas orally and in writing, while reading and studying additional authentic literature.

***Dual credit available through Missouri State University.**

French IV (EL402A/EL402B)

Grade: 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level III.

Recommendation: In order to be most successful in this course, we recommend students earn a C or better in the previous required level.

Students will review and improve upon those language skills acquired in previous levels. They will increase their command of the spoken and written language through reflection and analysis. Students will continue to develop language skills based upon abstract concepts. They will read and write more extensively while examining some advanced grammatical structures. The class will be conducted primarily in the target language.

FRENCH IV WILL ONLY BE OFFERED AS AN HONORS COURSE.

French IV Honors (EL491A/EL491B)

Grade: 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level III.

Recommendation: In order to be most successful in this course, we recommend students earn a B or better in the previous required level.

**1 Elective Credit
Year**

Students will review and improve upon those language skills acquired in previous levels. They will increase their command of the spoken and written language through reflection and analysis. Students will continue to develop language skills based upon abstract concepts. They will read and write more extensively while examining some advanced grammatical structures. The class will be conducted primarily in the target language. Students taking IV Honors will be expected to move at an accelerated pace, showing a greater proficiency of the learned material, displaying a high level of intellectual curiosity and self-motivation.

***Dual credit available through Missouri State University.**

ELECTIVES: FRENCH

AP French Language and Culture (EL500A/EL500B)

1 Elective Credit
Year

Grade: 12 *NCAA Approved Course*

Prerequisite: Full credit earned in Level IV.

Recommendation: In order to be most successful in this course, we recommend students earn a B or better in the previous required level.

In this course, students will prepare for the Advanced Placement Language and Culture Examination. Students will write formal letters, persuasive essays, present and justify their own opinions orally, and communicate facts and ideas with an accurate accent and in a grammatically correct fashion.

***Dual credit available through Missouri State University.**

ELECTIVES: GERMAN

German I (EL106A/EL106B)

1 Elective Credit
Year

Grade: 9, 10, 11, 12 *NCAA Approved Course*

Prerequisite: None

This course is an introduction to basic language skills and culture.

German II (EL206A/EL206B)

1 Elective Credit
Year

Grade: 9, 10, 11, 12 *NCAA Approved Course*

Prerequisite: Full credit earned in Level I.

Recommendation: In order to be most successful in this course, we recommend students earn a C or better in the previous required level.

Students will continue the progressive development of the language skills which they learned in Level I. They will expand their knowledge of vocabulary, grammar and linguistic structures.

German III (EL303A/EL303B)

1 Elective Credit
Year

Grade: 10, 11, 12 *NCAA Approved Course*

Prerequisite: Full credit earned in Level II.

Recommendation: In order to be most successful in this course, we recommend students earn a C or better in the previous required level.

Students will improve those language skills acquired in Levels I and II. They will gain greater oral proficiency in the language and increase their knowledge of vocabulary, grammar and syntax.

GERMAN III WILL ONLY BE OFFERED AS AN HONORS COURSE.

German III Honors (EL392A/EL392B)

1 Elective Credit
Year

Grade: 10, 11, 12 *NCAA Approved Course*

Prerequisite: Full credit earned in Level II.

Recommendation: In order to be most successful in this course, we recommend students earn a B or better in the previous required level.

Students will improve those language skills acquired in Levels I and II. They will gain greater oral proficiency in the language and increase their knowledge of vocabulary, grammar and syntax. Honors students accept the challenge and rigor of a more aggressive pace, while completing the same material as Level III. Students will be expected to express more complex ideas orally and in writing, while reading and studying additional authentic literature.

***Dual credit available through Missouri State University.**

German IV (EL403A/EL403B)

1 Elective Credit
Year

Grade: 11, 12 *NCAA Approved Course*

Prerequisite: Full credit earned in Level III.

Recommendation: In order to be most successful in this course, we recommend students earn a C or better in the previous required level.

Students will review and improve upon those language skills acquired in previous levels. They will increase their command of the spoken and written language through reflection and analysis. Students will continue to develop language skills based upon abstract concepts. They will read and write more extensively while examining some advanced grammatical structures. The class will be conducted primarily in the target language.

GERMAN IV WILL ONLY BE OFFERED AS AN HONORS COURSE.

ELECTIVES: GERMAN

German IV Honors (EL492A/EL492B)

1 Elective Credit
Year

Grade: 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level III.

Recommendation: In order to be most successful in this course, we recommend students earn a B or better in the previous required level.

Students will review and improve upon those language skills acquired in previous levels. They will increase their command of the spoken and written language through reflection and analysis. Students will continue to develop language skills based upon abstract concepts. They will read and write more extensively while examining some advanced grammatical structures. The class will be conducted primarily in the target language. Students taking IV Honors will be expected to move at an accelerated pace, showing a greater proficiency of the learned material, displaying a high level of intellectual curiosity and self-motivation.

***Dual credit available through Missouri State University.**

AP German Language and Culture (EL501A/EL501B)

1 Elective Credit
Year

Grade: 12

NCAA Approved Course

Prerequisite: Full credit earned in Level IV.

Recommendation: In order to be most successful in this course, we recommend students earn a B or better in the previous required level.

In this course, students will prepare for the Advanced Placement Language and Culture Examination. Students will write formal letters, persuasive essays, present and justify their own opinions orally, and communicate facts and ideas with an accurate accent and in a grammatically correct fashion.

***Dual credit available through Missouri State University.**

ELECTIVES: SPANISH

Spanish I (EL107A/EL107B)

1 Elective Credit
Year

Grade: 9, 10, 11, 12

NCAA Approved Course

Prerequisite: None

This course is an introduction to basic language skills and culture.

Spanish II 9 (EL112A/EL112B)

1 Elective Credit
Year

Grade: 9

NCAA Approved Course

Prerequisite: Full credit earned in Level I.

Recommendation: In order to be most successful in this course, we recommend students earn a C or better in the previous required level.

Students will continue the progressive development of the language skills which they learned in Level I. They will expand their knowledge of vocabulary, grammar and linguistic structures.

Spanish II (EL207A/EL207B)

1 Elective Credit
Year

Grade: 10, 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level I.

Recommendation: In order to be most successful in this course, we recommend students earn a C or better in the previous required level.

Students will continue the progressive development of the language skills which they learned in Level I. They will expand their knowledge of vocabulary, grammar and linguistic structures.

Spanish III (EL304A/EL304B)

1 Elective Credit
Year

Grade: 10, 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level II.

Recommendation: In order to be most successful in this course, we recommend students earn a C or better in the previous required level.

Students will improve those language skills acquired in Levels I and II. They will gain greater oral proficiency in the language and increase their knowledge of vocabulary, grammar and syntax.

ELECTIVES: SPANISH

Spanish III Honors (EL393A/EL393B)

1 Elective Credit
Year

Grade: 10, 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level II.

Recommendation: In order to be most successful in this course, we recommend students earn a B or better in the previous required level.

Students will improve those language skills acquired in Levels I and II. They will gain greater oral proficiency in the language and increase their knowledge of vocabulary, grammar and syntax. Honors students accept the challenge and rigor of a more aggressive pace, while completing the same material as Level III. Students will be expected to express more complex ideas orally and in writing, while reading and studying additional authentic literature.

***Dual credit available through Missouri State University.**

Spanish IV (EL404A/EL404B)

1 Elective Credit
Year

Grade: 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level III.

Recommendation: In order to be most successful in this course, we recommend students earn a C or better in the previous required level.

Students will review and improve upon those language skills acquired in previous levels. They will increase their command of the spoken and written language through reflection and analysis. Students will continue to develop language skills based upon abstract concepts. They will read and write more extensively while examining some advanced grammatical structures. The class will be conducted primarily in the target language.

Spanish IV Honors (EL493A/EL493B)

1 Elective Credit
Year

Grade: 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level III.

Recommendation: In order to be most successful in this course, we recommend students earn a B or better in the previous required level.

Students will review and improve upon those language skills acquired in previous levels. They will increase their command of the spoken and written language through reflection and analysis. Students will continue to develop language skills based upon abstract concepts. They will read and write more extensively while examining some advanced grammatical structures. The class will be conducted primarily in the target language. Students taking IV Honors will be expected to move at an accelerated pace, showing a greater proficiency of the learned material, displaying a high level of intellectual curiosity and self-motivation.

***Dual credit available through Missouri State University.**

AP Spanish Language and Culture (EL502A/EL502B)

1 Elective Credit
Year

Grade: 12

NCAA Approved Course

Prerequisite: Full credit earned in Level IV.

Recommendation: In order to be most successful in this course, we recommend students earn a B or better in the previous required level.

In this course, students will prepare for the Advanced Placement Language and Culture Examination. Students will write formal letters, persuasive essays, present and justify their own opinions orally, and communicate facts and ideas with an accurate accent and in a grammatically correct fashion.

***Dual credit available through Missouri State University.**

Dual credit availability is subject to change

SPECIAL EDUCATION

SPECIAL EDUCATION

In conjunction with the Kirkwood School District, the Special School District of St. Louis County (SSD) provides special education staff, services, and programs for Kirkwood students who meet Missouri DESE eligibility requirements for an educational disability and who have an IEP (Individualized Education Program). Through evaluation, a student must meet eligibility criteria for a particular disability area and demonstrate an adverse impact on education and requirements for special education services.

The student's IEP Team- which includes the student's parent(s)/guardian(s), special education teacher, general education teacher, District representative (administrator and/or counselor) and, as appropriate, the student- makes all decisions regarding a student's "individualized education program" (IEP) and "free appropriate public education" (FAPE). Emphasis is placed on providing services in the "least restrictive environment" (LRE) and supporting the student in the general education curriculum and environment to the extent possible. The type and amount of special education and related services, service delivery models, settings in which the services are delivered, curriculum modifications, accommodations, and all other educational decisions related to the student's disability are to be made by the IEP Team to meet educational and transitional goals.

Special education services can be provided in various ways, depending on the student's needs and as outlined in the student's IEP. Through data-based team decision-making, to prepare students for life after high school and to assist students in meeting their post-secondary outcomes, students at Kirkwood High School may access specially designed instruction, services, and supports through the following instructional models:

- Cooperative Teaching (CT): Special education services are provided in core academic courses through collaborative planning and co-teaching involving a Kirkwood content area teacher and a special education teacher who provides specially designed instruction to assist students in accessing the general curriculum.
- Replacement/Modified Core Academic Courses: These courses, based on the Kirkwood course curriculum, involve direct instruction by a special education teacher in content areas (e.g., math, reading, writing, science, and social studies) explicitly tailored to a student's learning objectives, IEP goals, and instructional needs. While the curriculum in these courses comes from the Kirkwood content area course curriculum, alternative curricula/programs may be utilized to meet the student's unique needs.
- Resource Classes: Courses in which specially designed instruction addresses areas of need identified through the IEP process (e.g., social-emotional/social behavioral skills, social-communication skills, executive function skills).
- Community-Based Vocational Instruction: A continuum of onsite and offsite courses is available to support student work on job skills (hard and soft skills) and assist students in building skills to get and keep a job.
- Essential Skills Classes: Functional academic and life skills classes utilize alternative curricula and specialized programs to address areas of concern and build foundational skills and independence.
- Transition Program Life Skills: Students who have met graduation requirements but continue to need support to meet IEP goals participate in life skills courses and community-based volunteer opportunities.

Additional special education services (e.g., Adaptive PE) and related services (e.g., OT, PT, speech/language therapy, social work counseling) are also available at KHS for students who require the support per their IEP.

Contact your child's case manager for more information or questions about special education services and support.

MISCELLANEOUS

OTHER MISCELLANEOUS OPPORTUNITIES

Employment Internship

.5 Practical Art Credit

Grade: 11, 12

Prerequisite: None

This course provides students with the opportunity to earn high school credit while gaining valuable work experience. Through this course, students will build the knowledge, skills, and self-confidence to be successful in higher education, in the workplace, and in life. Students will submit their work hours and complete career readiness assignments virtually through Launch (Springfield Public Schools). Students participating in this program will attend their academic classes daily and be gainfully employed during non-school hours.

Students must present verification of work hours directly from the employer. Verification should include the name of the company, student's name, and the number of hours worked. Students should have their employment location set by the time the class starts. Students may earn up to 1.5 credits if they choose to take this course more than once.

*Please note that any student 15 years of age or younger will be required to obtain a worker's permit.

Cadet Teach (First semester: **EL209A** / Second semester: **EL209B**)

.25 Elective Credit with Pass/Fail

Grade: 10, 11, 12

Semester

Prerequisite: Successfully completed the course with a B or above and Signature of instructor

The content of this course depends upon the choice of disciplines. A student may apply to work in any course providing the student has already successfully completed the course (See Prerequisite). Students will assist the teacher in class, occasionally lead class discussions, work with small groups, or do routine tasks normally expected of a teacher. Students can earn up to 15 tutoring or mentoring hours towards the A+ Program requirements.

Office Assistant (First semester: **EL210A** / Second semester: **EL210B**)

.25 Elective Credit with Pass/Fail

Grade: 10, 11, 12

Semester

Prerequisite: Signature of Counselor and Office Staff per semester

Students assist office personnel in delivering messages, filing and other business tasks. Students are trained in daily office procedures. Students use their time to study when their services are not needed.

Gr 9 Study Block (First semester: **NC100A** / Second semester: **NC100B**)

No Credit

Grade: 9

Semester

Prerequisite: None

The transition to high school can be difficult for some ninth grade students due to a heavier academic workload and adjustment to a new social setting. The Gr9 Study Block period is recommended for all ninth graders in lieu of a seventh course. Students choosing a study block can receive tutoring, complete homework or do additional research during this time. Students are allowed one study block per semester.

Study Block (First semester: **NC200A** / Second semester: **NC200B**)

No Credit

Grade: 10, 11, 12

Semester

Prerequisite: None

Students have the option of choosing a study block to receive tutoring, complete homework or do additional research. Study Block is recommended for students who struggle academically and/or need school time to visit labs or meet with teachers. Students are allowed one study block per semester.

IP (Independent Period)

No Credit

Grade: 10, 11, 12

Semester

Prerequisite: 3.2 GPA

Students who earn a 3.2 grade point average the previous semester can be placed in one IP per semester rather than a Study Block. Students must sign in at the Library and have the ability to work in various, designated areas during the assigned period.

Off Campus

No Credit

Grade: 11, 12

Semester

Prerequisite:

Grade 12 - Students who are eligible must have a good academic standing and must have earned 20 credits before senior year begins. Parent/Guardian approval is required.

Grade 11 (Period 1 or Period 7 only) - Students who are eligible must have a good academic standing and must have earned 14 credits before junior year begins. Parent/Guardian approval is required. 11th grade students have the option of first period OR seventh period Off Campus but not both. Only one per semester.

Course Numbers:

Period 1 (First semester: **NC401A** / Second semester: **NC401B**)

Period 5 (First semester: **NC405A** / Second semester: **NC405B**)

Period 2 (First semester: **NC402A** / Second semester: **NC402B**)

Period 6 (First semester: **NC406A** / Second semester: **NC406B**)

Period 3 (First semester: **NC403A** / Second semester: **NC403B**)

Period 7 (First semester: **NC407A** / Second semester: **NC407B**)

Period 4 (First semester: **NC404A** / Second semester: **NC404B**)

SOUTH TECH HIGH SCHOOL

South Tech AM (PA311A/B)

3 Credits

South Tech PM (PA315A/B)

3 Credits

Grade: 11, 12

Year

Prerequisite: Varies by major

Grade 11 and 12 students may enroll in South Tech High School in St. Louis County in cooperation with Kirkwood High School on a half-day basis. Students may apply for acceptance to a morning or afternoon session that specializes in a specific career skill. The core curricular subjects are taken at Kirkwood High School for the balance of the day. The credit earned through Tech School will be entered in the Kirkwood transcript under South Tech High School.



For more information, please contact
your guidance counselor or go to:

www.southtechhigh.org

South Tech Programs

Name	Program Length	Credits & Certifications
AUTO COLLISION REPAIR	2 Years	High School Credit, College Credit and Certifications offered.
AUTOMOTIVE TECHNOLOGY	2 Years	High School Credit, College Credit and Certifications offered.
CARPENTRY (Seniors Only)	1 Year	High School Credit, College Credit, Apprenticeship Credit and Certifications offered.
CISCO NETWORKING ACADEMY	2 Years	High School Credit, College Credit and Certifications offered.
CONSTRUCTION INNOVATIONS/ FIRST YEAR CONSTRUCTION ROTATION (COI)	1 Year	High School Credit and Certifications offered.
CONSTRUCTION TRADES (Seniors Only)	1 Year	High School Credit, College Credit and Certifications offered.
COSMETOLOGY	2 Years	High School Credit and Certifications offered.
CULINARY ARTS	2 Years	High School Credit, College Credit and Certifications offered.
DENTAL SCIENCES	2 Years	High School Credit, College Credit and Certifications offered.

South Tech Programs

Name	Program Length	Credits & Certifications
DESIGN & ENTREPRENEURSHIP	2 Years	High School Credit, College Credit and Certifications offered.
EARLY CHILDHOOD EDUCATION	2 Years	High School Credit, College Credit and Certifications offered.
ELECTRICAL TRADES (Seniors Only)	1 Year	High School Credit, College Credit and Certifications offered.
ELECTRONICS & ROBOTICS	2 Years	High School Credit, College Credit and Certifications offered.
FIREFIGHTING & EMERGENCY MEDICAL TECHNICIAN (EMT)	2 Years	High School Credit, College Credit and Certifications offered.
FLOOR LAYERS MIDDLE APPRENTICESHIP (Seniors Only)	1 Year	High School Credit, Apprenticeship Credit and Certifications offered.
GRAPHIC DESIGN	2 Years	High School Credit, College Credit and Certifications offered.
HEALTH SCIENCES	2 Years	High School Credit, College Credit and Certifications offered.
HEATING, VENTILATION & AIR CONDITIONING (HVAC) (Seniors Only)	1 Year	High School Credit, College Credit and Certifications offered.
LAW ENFORCEMENT	2 Years	High School Credit, College Credit and Certifications offered.
PHARMACY SCIENCES	1 Year	High School Credit, College Credit and Certifications offered.
PRECISION MACHINING	1 Year	High School Credit, College Credit and Certifications offered.
VETERINARY ASSISTANT	2 Years	High School Credit, College Credit and Certifications offered.
WEB & COMPUTER PROGRAMMING	2 Years	High School Credit, College Credit and Certifications offered.
WELDING	2 Years	High School Credit, College Credit and Certifications offered.

PROFESSIONAL STUDIES PROGRAM

ST. LOUIS CENTER FOR ADVANCED PROFESSIONAL STUDIES (STL CAPS)

STL CAPS AM (EL411A/B)

3 Credits

STL CAPS PM (EL412A/B)

3 Credits

Grade: 11, 12

Year

Prerequisite: None

Grade 11 and 12 students may enroll in the STL CAPS program on a half-day basis. The core curricular subjects are taken at Kirkwood High School for the balance of the day. The credit earned through the STL CAPS program will be entered in the Kirkwood transcript under the St. Louis Centers for Advanced Professional Studies.

STL CAPS provides a nationally recognized, innovative program providing high school students access to profession-based learning. St. Louis CAPS students are immersed into professional culture, tackle real world problems using industry standard tools, and are mentored by actual employers – all while receiving high school credit. St. Louis CAPS is an example of how business, community, and public education can partner to produce personalized learning experiences that educate or validate the interests of the workforce of tomorrow, especially in college-bound high skill & high demand career paths.



For more information, please contact
your guidance counselor or go to:

<https://www.stlcaps.net>

STL CAPS Programs

Name	Program Length	Credits & Certifications
ENGINEERING & TECHNOLOGY DESIGN AND DEVELOPMENT	1 Year	High School Credit and College Credit offered.
GLOBAL BUSINESS & ENTREPRENEURSHIP	1 Year	High School Credit offered.
MEDICINE, HEALTH CARE & BIOSCIENCE	1 Year	High School Credit offered.



PROGRAM OVERVIEW

The Early College Program is a dual enrollment program, in which students are enrolled in classes that satisfy high school graduation requirements and college credit accumulation. Students will attend classes on the Meramec Campus of St. Louis Community College and are still allowed to participate in their high schools' extra-curricular activities. The 2-year program begins with a junior cohort group and continues through to the end of students' senior year. The credit earned through STLCC will be entered in the Kirkwood transcript under St. Louis Community College.

PROGRAM GOALS

The ultimate goal of the early college program is for students to graduate with a high school diploma as well as an Associate's Degree - General Transfer from St. Louis Community College STLCC (60+ hours). While in college, students will gain access to all the resources provided through STLCC.

SELECTION PROCESS

Current, interested 10th graders are expected to complete a Kirkwood High School Early College application packet. The Early College Program Committee looks at the overall picture of a student's academic performance.

- Application Completion and interview with counselors
- Essay
- Minimum of a 3.2 GPA
- Accuplacer or other placement scores indicating college readiness; Students are required to place at college level; therefore, students requiring developmental level course work, as established during placement testing, will not qualify for this program.

See your grade level counselor for additional information.

PIONEER eLEARNING ACADEMY & OTHER VIRTUAL OPTIONS

The Pioneer e-Learning Academy (PeLA) allows students who thrive in an online environment to engage in asynchronous courses based on Kirkwood curricula and taught by Kirkwood teachers. The e-learning curricula mirrors the curricula of in-person courses. Teachers of KHS e-learning courses will provide, but are not limited to, the following: self-guided learning modules with assessments, pre-recorded video content, virtual resources/libraries, online discussions, and consistent communication/feedback. Students taking e-learning courses will practice academic integrity, model effective learning behaviors, communicate with their instructors regularly, and stay on top of due dates/deadlines.

Because virtual instruction can be an effective education option for some students, there may be courses available either through a district-approved virtual option, or through the Missouri Course Access Program (MOCAP). The credit earned through MOCAP providers will be entered in the Kirkwood transcript under the corresponding institution. Example: Launch courses will be listed under Springfield Public Schools.

NOTE: Kirkwood School District will not cover the cost of virtual courses offered by outside vendors or other school districts if the course is offered virtually through Kirkwood High School Pioneer eLearning Academy (PeLA). For more information regarding enrollment in virtual courses through outside providers, visit <https://mocap.mo.gov/>.

PIONEER eLEARNING ACADEMY: VIRTUAL COURSES

COURSE NAME	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
ENGLISH CREDIT			
Freshman Literature & Composition	9	Full Year	None
Freshman Literature & Composition Honors	9	Full Year	Writing Assessment; Qualifying Score
Sophomore Literature & Composition	10	Full Year	Freshman Literature & Composition
Sophomore Literature & Composition Honors	10	Full Year	Freshman Literature & Composition
Junior Literature & Composition	11	Full Year	Freshman and Sophomore Literature & Composition
Senior Literature & Composition I: Cultural Collisions and Philosophy*	12	Full Year	Freshman, Sophomore and Junior Literature & Composition (or AP Language & Comp)
Senior Literature & Composition II: Monsters in Literature and Myths, Fables, & Fairy Tales*	12	Full Year	Freshman, Sophomore and Junior Literature & Composition (or AP Language & Comp)
Senior Literature & Composition III: Creative Writing & Contemporary Literature*	12	Full Year	Freshman, Sophomore and Junior Literature & Composition (or AP Language & Comp)
AP Language & Composition	11-12	Full Year	Freshman and Sophomore Literature & Composition
AP Literature & Composition	12	Full Year	Freshman, Sophomore and Junior Literature & Composition (or AP Language & Comp)

PIONEER eLEARNING ACADEMY: VIRTUAL COURSES

COURSE NAME	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
MATH CREDIT			
Algebra I	9-12	Full Year	Placement based on 8th grade mathematics teacher and counselor recommendation
Geometry	9-12	Full Year	Algebra I
Algebra II	10-12	Full Year	Algebra I and Geometry
Algebra II Honors	9-12	Full Year	Geometry Honors (recommended B) AND Algebra I (recommended A) OR Geometry (recommended A) AND Algebra I (recommended A)
Discrete Mathematics A	11-12	Semester (Fall Only)	Algebra II Honors OR Algebra II
Discrete Mathematics B	11-12	Semester (Spring Only)	Algebra II Honors OR Algebra II
SCIENCE CREDIT			
Chemistry	10	Full Year	Physics (.5 credit)
Chemistry Honors	10	Full Year	Physics AND currently enrolled in Algebra II or higher
Biology	11-12	Full Year	Physics and Chemistry (.5 credit)
Biology Honors	11-12	Full Year	Physics, Chemistry (grade of A) OR Chemistry Honors (B or better)
SOCIAL STUDIES CREDIT			
World History 1450-Present	9	Full Year	None
United States History 1870-Present	10	Full Year	World History
American Government	11-12	Full Year	US History
AP US Government & Politics	11-12	Full Year	3.0 GPA
HEALTH & PHYSICAL FITNESS CREDIT			
Health & Family Education	9-12	Semester	None
Lifetime Fitness	9-12	Semester	None
PERSONAL FINANCE CREDIT			
Personal Finance*	10-12	Semester	None
FINE ART CREDIT			
Art Fundamentals	9-12	Semester	None
PRACTICAL ART CREDIT			
Computer Applications I	9-12	Semester	None
Business Communications*	9-12	Semester	None
ELECTIVE CREDIT			
ACT Prep	10-12	Semester	None
Journalism I	9-12	Semester	None
Sociology	11-12	Semester	None

*College Credit Available (see page 10)

Freshman Literature & Composition (EN100VA/EN100VB)

1 English Credit
Year

Grade: 9

NCAA Approved Course

Prerequisite: None

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Reading Expectations: Students will read and study a variety of literature, which may include short stories, novels, poetry, drama, and non-fiction, to enhance comprehension and analysis skills, to make personal and global connections within and across texts, and to improve reading stamina and increase text complexity. Whole class texts could include - but are not limited to - Anaya's *Bless Me, Ultima*; Hansberry's *A Raisin in the Sun*; Sepetys' *Salt to the Sea*; Dante's *The Inferno*; Ribay's *Patron Saint of Nothing*; Homer's *The Odyssey*; and Wilson's *The Piano Lesson*. Additional novels will constitute Literature Sets.

*Students should plan to read at least one hour outside of class per week, as supported by their individual goal-setting.

Writing Expectations: Students should expect to write and revise multiple process pieces across a variety of genres, which may include narrative, argumentative, informational, and poetry. Students will also create and maintain their digital writing and reading portfolios.

Freshman Literature & Composition will introduce students to the study and practice of the craft of writing and how it can enhance our academic experiences and our lives. The course is designed to move students toward the use of strategies for making sense of what we read, including some difficult texts that we will learn to unpack together. Students will also experience the value of learning from and with one another in order to build relationships, make connections, challenge ideas, gain perspectives, and grow as readers, writers, and thinkers.

Freshman Literature & Composition Honors (EN190VA/EN190VB)

1 English Credit
Year

Grade: 9

NCAA Approved Course

Prerequisite: Recommendation from middle school based on data analysis.

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Reading Expectations: Students will read and study a variety of literature, which may include short stories, novels, poetry, drama, and non-fiction, to enhance comprehension and analysis skills, to make personal and global connections within and across texts, and to improve reading stamina and increase text complexity. Whole class texts could include - but are not limited to - Anaya's *Bless Me, Ultima*; Hansberry's *A Raisin in the Sun*; Sepetys' *Salt to the Sea*; Dante's *The Inferno*; Ribay's *Patron Saint of Nothing*; Homer's *The Odyssey*; and Wilson's *The Piano Lesson*. Additional novels will constitute Literature Sets.

*Students should plan to read at least two hours outside of class per week, as supported by their individual goal-setting.

Writing Expectations: Students should expect to write and revise multiple process pieces across a variety of genres, which may include narrative, argumentative, informational, and poetry. Students will also create and maintain their digital writing and reading portfolios.

*Students will be encouraged to seek publication.

Freshman Literature & Composition Honors will introduce students to the study and practice of the craft of writing and how it can enhance our academic experiences and our lives. Focusing on themes of Moral Identity, Coming-of-Age, and Making Contributions, Honors Freshman English is distinct from Freshman English through faster pacing, higher expectations for reading, and mastery levels. Additionally, Honors students focus more on synthesis and elaboration in rhetoric and research. The course is designed to move students toward the use of strategies for making sense of what we read, including some difficult texts that we will learn to unpack together. Students will also experience the value of learning from and with one another in order to build relationships, make connections, challenge ideas, gain perspectives, and grow as readers, writers, and thinkers.

Sophomore Literature & Composition (EN200VA/EN200VB)

1 English Credit
Year

Grade: 10

NCAA Approved Course

Prerequisite: Freshman Literature & Composition

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Independent Reading Expectations: Students are expected to be readers choosing texts based on individual reading goals, interest, and readiness.

Common Reading Experiences may include but are not limited to: Kindred or Betsey Brown; Shakespeare: Romeo & Juliet, Julius Caesar, or Twelfth Night; 1984 or The Road

Common Writing Experiences may include but are not limited to: argumentative essays, creative writing (nonfiction, fiction, poetry) research project, literary response essay and short answer, note taking, workplace writing, and informal writing such as letters, narratives, journals, brochures, and poetry.

Sophomore Literature and Composition explores how students' reading and writing can empower them to make positive contributions to society and create change in the world. Centered on the themes of power and change, Sophomore Literature and Composition builds on the reading and writing skills of Freshman Literature and Composition. Students will read, analyze, and discuss texts as a whole class, and in small groups as well as sustain their independent reading. Students will read, analyze, and write critically about a variety of genres of literature including fiction, nonfiction, poetry and drama. They will also compose and revise creative pieces of nonfiction, fiction and poetry throughout the year. Unique to Sophomore Literature and Composition is the blended research paper where students will engage in a long-term research and writing project. Throughout the reading, writing and research, Sophomore Literature and Composition encourages students to examine how writers use language to create, construct, and change society.

Sophomore Literature & Composition Honors (EN290VA/EN290VB)

1 English Credit
Year

Grade: 10

NCAA Approved Course

Recommended Prerequisite: Freshman Literature & Composition Honors; recommendation of Freshman Literature & Composition teacher

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Independent Reading Expectations: Students are expected to be readers choosing texts based on individual reading goals, interest, and readiness.

Common Reading Experiences may include but are not limited to: Kindred or Betsey Brown; Shakespeare: Romeo & Juliet, Julius Caesar, or Twelfth Night; 1984 or The Road

Common Writing Experiences may include but are not limited to: argumentative essays, creative writing (nonfiction, fiction, poetry), research project, literary response essay and short answer, note taking, workplace writing, and informal writing such as letters, narratives, journals, brochures, and poetry.

Honors Sophomore Literature and Composition will use the same curricular structure and assessments as Sophomore Literature and Composition; however, the mastery of skills, the quality of final drafts, and the quantity of work within the units will be at a faster pace and more in depth. On analytical reading and writing assignments the primary difference is regular SLC students will focus on analysis and Honors SLC students will analyze and synthesize. With creative assignments regular SLC will focus on the writing skills/craft and honors SLC will focus on both writing craft and layers of meaning. As the year unfolds, all SLC students will be introduced to more advanced skills; however, honors students will be expected to show evidence of more advanced skills at the start of the year.

For example both regular and honors students will practice literary analysis and write analytical pieces (paragraphs, essays, etc.) regular SLC students will practice textual analysis on literature provided by the teacher. The written product will be an analysis of a text or texts. Honors students will be asked to not only analyze the text but to synthesize their analysis with other perspectives found by the students (independent research). Honors students will be asked to do the literary analysis work with fewer supports and in a quicker timeframe than regular SLC students.

Junior Literature & Composition (EN300VA/EN300VB)

1 English Credit
Year

Grade: 11

NCAA Approved Course

Prerequisite: Freshman Literature & Composition and Sophomore Literature & Composition

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Reading Expectations: One independent, one literature circle, one whole class text each semester, average of 90 minutes of reading homework weekly.

Optional Texts: Teachers will supplement the required readings with additional texts (nonfiction, poetry, fiction) to reflect the course's essential questions.

Writing Expectations: Students will compose two formal pieces of writing per semester; second semester students will write college essays as well as their independent inquiry projects.

Junior Literature & Composition: Perspectives on America focuses on American culture and American voices. Through a study of contemporary cultural issues, the course builds on ninth and tenth grade coursework. Students read and write informational, argumentative, and literary texts. Students will build understanding of American Culture through reading diverse perspectives and multiple genres, while studying and practicing multiple modes of composition for a variety of audiences and purposes. During second semester, students will conduct inquiry projects whereby students form a question, conduct research, and create a multimedia presentation for a public audience.

AP Language & Composition (EN500VA/EN500VB)

1 English Credit
Year

Grade: 11, Grade 12 with permission

NCAA Approved Course

Prerequisite: Freshman Literature & Composition, Sophomore Literature & Composition

Reading Expectations: 8 books, daily homework, average assignment: 25 pages

Required Readings: *The Norton Reader*

Optional Texts: Students will select teacher-approved nonfiction texts.

Writing Expectations: 15 essays in and out of class, exceptional skills in writing the multi-paragraph essay

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

AP English Language and Composition cultivates the reading and writing skills that students need for college success and for intellectually responsible civic engagement. The course guides students in becoming curious, critical, and responsive readers of diverse texts (memos, letters, advertisements, political satires, etc.), and reflective writers of texts addressed to diverse audiences for diverse purposes.

Senior Literature & Composition I (EN406VA/EN406VB)

1 English Credit

Cultural Collisions and Philosophy

Grade: 12

NCAA Approved Course

Year

Prerequisite: Freshman Literature & Composition, Sophomore Literature & Composition and Junior Literature & Composition (or AP Language & Composition)

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Reading Expectations: 4 books per semester, homework daily, average assignment: 25 pages

Writing Expectations: Students will compose at least three formal, developed pieces of writing per semester, as well as informal responses to classwork. Senior Research Paper will be completed during the fall semester, regardless of elective.

Cultural Collisions - What happens when "self" meets "other"? When woman meets man? When Black meets White? When young meets old? What happens when our own perceptions collide with the perceptions of others? When we read and write, we learn how we have constructed our worldview, giving us the opportunity to examine "self" and "other." Through a mix of required and choice texts, this course will push students to examine their world and the world of "the other" through the lens of cultural collisions. The students will respond to these cultural collisions in formal and informal ways, in both expository and creative writing, in presentations and conversation.

Potential Readings: *Mrs. Dalloway* (Woolf), *Fire Next Time* (Baldwin), various poems/short stories

Philosophy in Literature - You know those deep conversations you have with your friends at 3am or those thoughts you have when you're alone and staring at the ceiling? Well, it's time for that to be a class. What's the point? Why am I here? Why do bad things happen to good people, and why should I care about anyone but myself? You'll explore what philosophies from across the world have said about these questions and what we can do about them in today's ever-changing society. From relevant podcasts and high interest novels, *Philosophy in Literature* is sure to be a class that will make you question yourself, others, and the world around you.

Potential Readings: *Man's Search for Meaning* (Frankl), *Tao of Pooh* (Hoff), *The Analects of Confucius*, *The Myth of Sisyphus* and *The Stranger* (Camus), pieces by Ralph Waldo Emerson, readings from Nietzsche, Kant, and Kierkegaard, and *The Catcher in the Rye* (Salinger).

***Dual Credit through Missouri State is offered in this course.**

Senior Literature & Composition II (EN407VA/EN407VB)

1 English Credit

Monsters in Literature and Myths, Fables, & Fairy Tales

Grade: 12

NCAA Approved Course

Year

Prerequisite: Freshman Literature & Composition, Sophomore Literature & Composition and Junior Literature & Composition (or AP Language & Composition)

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Reading Expectations: 4 books per semester, homework daily, average assignment: 25 pages

Writing Expectations: Students will compose at least three formal, developed pieces of writing per semester, as well as informal responses to classwork. Senior Research Paper will be completed during the fall semester, regardless of elective.

Monsters in Literature - Reanimated corpses, flesh-eating zombies, and blood-hungry psychopaths in English class? This course will explore the role horror stories and films have played in our culture and in human civilization, and consider how monsters have become dark-side manifestations of a culture's values, its fear of difference, and the forever-shifting understanding of the self. What does a particular culture label as "monstrous" and why? What exactly have certain authors captured and unleashed? Toward answering such questions, students will explore stories from around the world, literature, and film, and engage in both academic and creative writing.

Potential Readings: *Dawn* (Butler), *The Strange Case of Jekyll & Hyde* (Wells), *The Island of Dr. Moreau* (Wells), *Dracula* (Stoker), *The Plague* (Camus), *Beloved* (Morrison), *The Picture of Dorian Gray* (Wilde). Students will also have the opportunity to choose and analyze their own "monster literature."

Myths, Fables, and Fairy Tales - We all know and love them - beautiful but naive young heroines, dashing princes, wicked witches, benevolent fairies - even crafty and vengeful monsters. Versions of the same stories have been passed down and reimagined for centuries in all parts of the world. But what keeps us so enthralled? And why do cultures that could never have interacted retell virtually the exact same stories? Explore the magical world of myths, fables, and fairy tales by reading a variety of examples, examining their influence on popular media, and learning how they grew out of oral tradition into honored literary heritage. Students will engage in both academic and creative writing in this course.

Potential Readings: (All are excerpts.) *The Power of Myth* (Campbell), *Parallel Myths* (Bierlein), *Living Folklore: An Introduction to the Study of People and Their Traditions*, 2nd Ed. (Sims and Stephens), *Aesop's Fables* (Zipes), *The Classic Fairy Tales* (Norton Critical Edition), *The Vanishing Hitchhiker: American Urban Legends and Their Meanings* (Brunvand).

***Dual Credit through Missouri State is offered in this course.**

Senior Literature & Composition III: Creative Writing & Contemporary Lit (EN408VA/EN408VB)

1 English Credit

Grade: 12

NCAA Approved Course

Year

Prerequisite: Freshman Literature & Composition, Sophomore Literature & Composition and Junior Literature & Composition (or AP Language & Composition)

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Reading Expectations: 4 books per semester, homework daily, average assignment: 25 pages

Writing Expectations: Students will compose at least three formal, developed pieces of writing per semester, as well as informal responses to classwork. Senior Research Paper will be completed during the fall semester, regardless of elective.

What do our stories tell us about ourselves? How does the craft of today's literature reflect our cultural concerns? Contemporary fiction and poetry offer insight into human nature and our current moment. We will explore how the elements of fiction and poetry allow us to empathize with the Other. In this course, we will analyze and critique contemporary literature and use this understanding to compose our own work in a workshop setting.

Potential Readings: George Saunders, Zadie Smith, Anthony Doerr, T.C. Boyle, Donald Barthelme, Steven Millhauser, Jhumpa Lahiri, Karen Russell, Jamel Brinkley, Alice Munro, Margaret Atwood, Jamaal May, Tarfia Faizullah, Mary Oliver

***Dual Credit is through Missouri State is offered in this course.**

AP Literature & Composition (EN501VA/EN501VB)

1 English or Elective Credit

Grade: 12

NCAA Approved Course

Year

Prerequisite: Freshman Literature & Composition, Sophomore Literature & Composition and Junior Literature & Composition (or AP Language & Composition)

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Reading Expectations: 8 books, homework: 4 nights a week, average assignment: 25 pages

Required Readings: Could include, among others, Vonnegut's *Slaughterhouse-Five*, Shakespeare's *Othello*, Bronte's *Wuthering Heights*, Conrad's *Heart of Darkness*, Martel's *Life of Pi*, Morrison's *Song of Solomon*, Hardy's *Tess of the D'Urbervilles*, outside reading novels, and a variety of short stories and poems.

Teacher Option Readings: Literary criticism

Writing Expectations: Multiple in-class and out-of-class essays each quarter. Out-of-class essays are usually 3-4 pages long, though some could be longer. In-class essays are modeled on the AP Literature exam essays. Students will typically write one in-class essay and one longer out-of-class essay for each major work. Supplementary readings will often be accompanied by essays.

AP Literature gives students the opportunity to study canonical and established contemporary works of literary, cultural, and social merit spanning genres and time periods.

Algebra I (MA102VA/MA102VB)

1 Math Credit

Grade: 9, 10, 11, 12

NCAA Approved Course

Year

Prerequisite: Placement in Algebra I by the student's 8th grade mathematics teacher and counselor

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Students enrolled in Algebra I will study the real number system and its properties, solve linear and quadratic equations, solve 1 and 2 variable inequalities, graph linear, exponential, and quadratic functions and perform operations with polynomials, algebraic fractions and irrational numbers. Students will also apply this knowledge and skill to solve real life applications.

Geometry (MA103VA/MA103VB)

1 Math Credit

Grade: 9, 10, 11, 12

NCAA Approved Course

Year

Prerequisite: Full credit earned in Algebra

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Students will use inductive and deductive reasoning to develop an axiomatic system which describes the properties of two and three dimensional objects. A solid, working knowledge of Algebra I skills is necessary.

Algebra II (MA200VA/MA200VB)

1 Math Credit

Grade: 10, 11, 12

NCAA Approved Course

Year

Prerequisite: Full credit earned in Algebra I and Geometry

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Students in this course will extend their study of Algebra. In addition to a brief review of Algebra I, students will examine systems of equations and inequalities, powers, roots and complex numbers. Students will also examine a variety of functions and relations including radical, polynomial, exponential, logarithmic, rational, and quadratic functions.

PeLA VIRTUAL COURSES

Algebra II Honors (MA290VA/MA290VB)

1 Math Credit

Grade: 9, 10, 11, 12

NCAA Approved Course

Year

Prerequisite: Full credit earned in Geometry Honors (recommended B) and in Algebra I (recommended A) or Full credit earned in Geometry (recommended A) and in Algebra I (recommended A)

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Like students in the regular Algebra II course, students enrolled in Algebra II Honors will extend their study of Algebra by exploring topics listed in regular Algebra II more in depth, with greater application, and at an accelerated pace.

Discrete Mathematics A (MA306V) - FALL SEMESTER

.5 Math Credit Per Semester

Discrete Mathematics B (MA307V) - SPRING SEMESTER

Grade: 11, 12

NCAA Approved Course

Semester

Prerequisite: Full credit earned in Algebra II or Algebra II Honors

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Discrete Mathematics A is only offered during the first semester. Discrete Mathematics B is only offered the second semester. Students do **not** have to take Discrete Mathematics A before taking Discrete Mathematics B. Students enrolled in this course will use rigorous thought and reasoning skills to explore areas of mathematics not traditionally covered in the algebra-precalculus-calculus sequence. Topics include secret codes and encryption, infinity and different levels of infinity, different geometries, topology, chaos and fractals and probability. Discrete mathematics lends itself to a wide variety of "real world" applications. Problems discussed will range from determining if there are two people on earth with the exact same number of hairs on their bodies to devising secret codes to examining the probability of winning the lottery.

Chemistry (SC200VA/SC200VB)

1 Science Credit

Grade: 10

NCAA Approved Course

Year

Prerequisite: At least .5 credit earned in Physics

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Chemistry is the study of matter and energy from a molecular point of view. Through laboratory experiences and practical application, students will investigate atomic structure and the periodic table, bonding, intermolecular forces, reactions and experimental design.

Chemistry Honors (SC290VA/SC290VB)

1 Science Credit

Grade: 10

NCAA Approved Course

Year

Recommendation: A in Physics, B or higher in Accelerated Physics, currently enrolled in Algebra II or higher.

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Chemistry Honors is an in-depth, mathematical, and rigorous study of matter and energy from a molecular point of view. It is designed for those students with an advanced level of interest and motivation and who may be interested in careers in science, engineering or medicine. Through laboratory experiences and practical application, students will explore in-depth the areas of atomic structure and the periodic table, bonding, intermolecular forces, reactions, nuclear chemistry and experimental design.

Biology (SC302VA/SC302VB)

1 Science Credit

Grade: 11,12

NCAA Approved Course

Year

Prerequisite: One credit earned in Physics, and at least .5 credit earned in Chemistry or Chemistry Honors

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Biology is the study of living organisms, exploring the intricate interactions of matter and energy that sustain life. In this course, students will dive into the fundamental principles of modern biology through hands-on laboratory experiences and real-world applications. They will examine key topics such as ecology, understanding the relationships between organisms and their environments; biochemistry, studying the chemical processes that drive life; and cell biology, investigating the structure and function of cells as the basic units of life.

Additionally, students will explore energetics, focusing on how organisms harness and use energy, and genetics, where they will learn how traits are inherited and expressed. An in-depth look at DNA will reveal its role as the blueprint of life, while the study of evolution will help students understand how species change and adapt over time. These topics will not only provide a comprehensive foundation in biological science but will also cultivate analytical skills, critical thinking, and a deeper appreciation for the diversity and complexity of life on Earth.

Biology Honors (SC390VA/SC390VB)

1 Science Credit

Grade: 11,12

NCAA Approved Course

Year

Prerequisite: One credit earned in Physics and credit earned in Chemistry (grade A) or Chemistry Honors (grade B or better)

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Honors Biology is an in-depth, challenging course that explores the complex interactions of matter and energy in the living world, crafted for highly motivated students with a strong interest in biological sciences. Through comprehensive laboratory experiences and practical applications, students will delve deeply into essential concepts of modern biology, including ecology, biochemistry, cell biology, energetics, genetics, DNA, and evolution. This course places special emphasis on biochemistry, molecular biology, and genetics, integrating principles of organic chemistry and energy seamlessly throughout. A solid understanding of organic chemistry and basic energy principles is recommended, as students will apply these topics to gain a more profound insight into the mechanisms that govern life. This rigorous curriculum aims to foster critical thinking, advanced analytical skills, and a comprehensive understanding of the dynamic and interconnected nature of biological systems.

World History 1450 - Present (SS105VA/SS105VB)

1 Social Studies Credit

Grade: 9

NCAA Approved Course

Year

Prerequisite: None

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

This course will provide students with a comprehensive overview of world history from 1450 to the present day. Students will study the major events and trends that have shaped the world, as well as the interconnectedness of different cultures and societies. They will also develop the skills necessary to analyze historical sources and construct historical arguments.

United States History (SS203VA/SS203VB)

1 Social Studies Credit

Grade 10

NCAA Approved Course

Year

Prerequisite: Full credit earned in World History 1450-Present

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Students will be able to demonstrate their understanding of the significant themes that contributed to the formation of the United States through research, discussion, simulation, debate, and presentation. Students will use their understanding to cite evidence of those themes in contemporary issues facing our society. Themes will include the evolution of American political democracy, cultural pluralism, economic and social equality, and America's development as a major world power. Students will explore and appreciate the diversity of the American experience and the relevance of our nation's past to all individuals living in today's society.

American Government (SS307VA/SS307VB)

1 Social Studies Credit

Grade 11, 12

NCAA Approved Course

Year

Prerequisite: Full credit earned in United States History

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

American Government introduces students to the origins, concepts, institutions, interactions, and policies of government in the United States, and has students analyze the role of individuals, groups, and states in the modern world. The course will increase students' understanding of government and encourage students to become positive contributing members of their local, state, national, and global communities. Students will apply their knowledge through a Civic Action Project, allowing them to actively engage with real-world issues and practice civic responsibility. As a component of this course, students will be prepared for and take the Government End of Course Exam, as well as fulfill the citizenship and constitution assessment requirements for high school graduation in the State of Missouri.

AP United States Government & Politics (SS502A/SS502B)

1 Social Studies Credit

Grade 11, 12

NCAA Approved Course

Year

Prerequisite: Students must have a 3.0 GPA

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project.

PeLA VIRTUAL COURSES

Health & Family Education (HE100V)

.5 Health Credit

Grade: 9, 10, 11, 12

Semester

Prerequisite: None

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Students may enroll at any point during their high school career, though most complete the course in 9th or 10th grade. Health & Family Education is designed to help students develop lifelong skills for personal well-being and healthy decision-making. The course is organized into four major units: The 7 Habits of Highly Effective Teens, Sexual Health, Addiction and Substance Abuse, and Mental and Emotional Health. Through these topics, students learn strategies for building positive habits, maintaining healthy relationships, understanding the impacts of risky behaviors, and supporting mental wellness.

Students will also learn and practice Hands-Only CPR, which fulfills the Missouri high school graduation requirement for CPR instruction.

Lifetime Fitness (PE101V)

.5 Physical Education or Elective Credit

Grade: 9, 10, 11, 12

Semester

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

This asynchronous course focuses on individualized student engagement of gaining and maintaining a high level of physical fitness. This is a performance-based course which requires students to video themselves on some of the fitness activities. Students will establish personal fitness goals and demonstrate knowledge of fitness concepts, training principles, and exercise strategies. This course is designed for self-motivated students and provides a series of lessons, activities, and opportunities for students to demonstrate their ability to participate in lifelong fitness experiences.

Personal Finance (PF200V)

.5 Personal Finance Credit

Grade: 10, 11, 12

Semester

Prerequisite: None

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Take charge of your finances! Personal Finance allows students to explore a variety of topics designed to help them meet the challenges of life during and after high school. The course examines principles and techniques for handling personal financial decisions: college / career research, major purchases, personal budgeting, credit, insurance, savings / investing and more.

***Dual credit through Missouri State University is offered in this course.**

Art Fundamentals (FA100V)

.5 Fine Art or Elective Credit

Grade: 9, 10, 11, 12

Semester

Prerequisite: None

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Learn the language of art and explore various techniques and media. Observe works of art from a variety of time periods and movements. Art skills will be developed through a variety of assignments including drawing, acrylic painting, watercolor, ceramics, and sculpture.

Computer Applications I (PA101V)

.5 Practical Art or Elective Credit

Grade: 9, 10, 11, 12

Semester

Prerequisite: None

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Computer Applications I is an essential introductory course for all students to be successful in the modern world of technology. Students will obtain the computer skills required to be successful in every area of life. Students will learn the necessary features of Microsoft Office Word, Excel, PowerPoint and Adobe Photoshop. Students will also learn web literacy and online research skills.

PeLA VIRTUAL COURSES

Business Communications (PA301V)

.5 Practical Art or Elective Credit

Grade: 10, 11, 12

Semester

Prerequisite: None

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Master communication skills to dazzle potential employers in a job interview! This course encompasses a variety of business communication topics to prepare you for your ultimate goal- employment! Topics include:

- Team building workshops
- International business travel and etiquette
- Non verbal communication and body language
- Persuasive strategies for presenting
- Resume writing and creating interactive online resumes
- Interview preparation

***Dual credit through Missouri State University is offered in this course.**

ACT Prep (EL116V)

.5 Elective Credit

Grade 10, 11, 12

Semester

Prerequisite: None

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

The ACT Prep course helps students reach their full potential by turning ACT preparation into an engaging and empowering experience. Students will master ACT-specific strategies, strengthen essential academic skills, and gain insight into how the ACT is designed. Through focused practice, score analysis, and fun class challenges, they'll build both confidence and competence for each ACT subtest. The result will be a deeper understanding of the test, improved performance, and enhanced opportunities for post-secondary opportunities.

We do not encourage rising 9th graders to sign up for this class. ACT prep is intended for students who are actively preparing for a national exam.

Journalism I (EL102V)

.5 Elective Credit

Grade: 9, 10, 11, 12

NCAA Approved Course

Semester

Prerequisite: None

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

This one-semester writing-intensive course is a survey of the history, ethics, practices, and methods of newspaper and magazine journalism. Using professional style rules, students learn how to write articles in the areas of news, features, editorials and sports. Additionally, they write leads, headlines and captions. They also learn key elements in graphic design, photojournalism, multimedia, social media, and advertising. Furthermore, there is a heavy emphasis on the rights and responsibilities of student journalists. This course is highly recommended for students interested in applying for a position on the staff of *The Kirkwood Call*, the school newspaper, or *The Kirkwood Pioneer*, the school yearbook.

Sociology (SS305V)

.5 Elective Credit

Grade 11, 12

NCAA Approved Course

Semester

Prerequisite: None

This is an asynchronous class taken virtually through Schoology with a KHS teacher.

Students will discover how humans interact within and between groups and groupings. They will explore through research, discussion, debate, and inquiry, the general principles dealing with how people get along in groups. Students will demonstrate their understanding of human interaction, social classes, personality, courtship, marriage, and the family through oral and written presentations.

MSHSAA Academic Requirements for High School Students

2.3 ACADEMIC REQUIREMENTS

2.3.1 Statement of Philosophy -- Participation in high school activities is a valuable educational experience and should not be looked upon as a reward for academic success. Students with low academic ability need the educational development provided through participation in activities as much as students with average or above average ability. Activity participation should be for all enrolled students making appropriate progress toward graduation and otherwise in good standing. Each local board of education is encouraged to establish criteria to ensure that students who are participating in MSHSAA activities are satisfactorily progressing toward meeting the local graduation requirements.

2.3.2 Grades 9-12 Requirements: A student in Grades 9-12 must meet the following requirements in order to be academically eligible to participate in interscholastic activities:

- a. **Semester Prior to Participation:** The student shall have earned, the preceding semester of attendance, a minimum of 3.0 units of credit or have earned credit in 80% of the maximum allowable classes in which a student can be enrolled in the semester, **whichever is greater**, or a student must have made standard progress for his or her level the preceding semester in a special education program for the handicapped approved by the Missouri State Department of Education which, though un-graded, enrolls pupils of equivalent age.
- b. **Semester of Participation:** The student shall currently be enrolled in and regularly attending courses that offer 3.0 units of credit or 80% of the maximum allowable credits which may be earned, **whichever is greater**; or a student must be enrolled in a full course at his or her level in a special education program for the handicapped approved by the Missouri State Department of Education which, though un-graded, enrolls pupils of equivalent age.
- c. **80% Credit Requirement:**
 1. Member Schools and Full-Time Virtual Schools: The calculation of the credit requirement described in a-1 and a-2 above for all enrolled students at the member school shall be based on the maximum allowable classes in which a student can be enrolled at the member school during the normal school day due to the academic system that the member school has selected (7-hour day, block schedule, etc.) Credits earned in school-sponsored "extra" classes taken beyond the normal school day may be used toward academic eligibility. Internet classes offered **by** and **at** the member school and which are completed no later than the close of the semester with credit placed on the student's transcript can be counted toward academic eligibility. (See also By-Law 2.3.4 regarding other courses that may be utilized.)
 2. Home Schools and FPE Schools: To maintain academic eligibility, resident participant students should be enrolled in, or its equivalent, and successfully completing, per semester, a minimum of 1/8 of the total curricular expectation for a full 9th through 12th grade experience. Except for the fall semester of grade 9, verification of academic eligibility must be made to the public member school of residence at the beginning of each semester or trimester, whichever system is used by the public member school of residence. By-Laws 2.3.1, 2.3.2, and 2.3.3 should be used as a guide for the parent to determine the academic eligibility of the student. For fall semester eligibility, By-Law 2.3.5 can be applied to the equivalent experience.
- d. **Entry into 9th Grade:** A beginning 9th grade student shall have been promoted from the 8th grade to the 9th grade for first semester eligibility.
- e. A student must be making satisfactory progress towards graduation as determined by local school policies.

DIAGRAM 2.3 (a): SAMPLE HIGH SCHOOL ACADEMIC SCHEDULES

Academic Schedule	Credits earned must equal 3.0 or 80%, whichever is GREATER
Six-period day (.5 each)	Must pass 6 of 6 (3.0)
Seven-period day (.5 each)	Must pass 6 of 7 (3.0)
Eight-block schedule (.5 each)	Must pass 7 of 8 (3.5)
Four-block schedule (1.0 each)	Must pass 4 of 4 (4.0)
Ten-block schedule (.5 each)	Must pass 8 of 10 (4.0)

MSHSAA Academic Requirements for High School Students

- 2.3.4 Grades 9-12 Enrollment Options for Academic Eligibility:** The following options are available to students in order to meet the requirements of By-Law 2.3.2.a and b above. In each option, all classes/assignments must be completed by the high school's close of the semester, as per By-Law 2.3.11, in order for those classes/credits to be considered toward activity eligibility.
- a. **Traditional Option:** A student may meet the requirements outlined in By-Law 2.3.2 through being enrolled and attending classes full-time at the high school.
 - b. **Non-Traditional Option 1 – Transcribed Credits:** A student may meet the requirements outlined in By-Law 2.3.2 through meeting ALL of the following:
 - 1. The student is an enrolled student of the high school, but all or some of the courses/credits are not taken at the local high school (virtual, post-secondary, work study, etc.),
 - 2. All credits attempted/earned are placed on the high school transcript,
 - c. **Non-Traditional Option 2 (Public Schools Only) – Seat-Time + Non-Transcribed Credits:** A student may meet the requirements outlined in By-Law 2.3.2 through meeting ALL of the following:
 - 1. The student is an enrolled student of the public high school of residence, as defined in By-Law 3.10, and is taking a minimum of **two** credit-bearing, seat-time classes for a minimum of 1.0 units of credit **at the high school**, and
 - 2. The remainder of the student's full-time coursework is completed through enrollment at a non-member school, which is not a home school, FPE school, or virtual school.
 - d. **Non-Traditional Option 3 (Public Schools Only) - Home School, FPE School, or Full-Time Virtual School:** A student may meet the requirements outlined in By-Law 2.3.2 through attending a home school or FPE school or is a full-time student at a virtual school. The student is a resident participant student and is eligible to participate at the public or charter school of residence.
 - e. **Transfer of Enrollment based on Changes in Bona Fide Student and Academic Status:** Any student whose enrollment status changes from being a **non-bona fide** student (not meeting By-Law 2.1 and one of the 9-12 Enrollment Options) to **being** a bona fide student (meeting By-Law 2.1 and one of the 9-12 Enrollment Options) would be considered a transfer student (see By-Law 3.10.4), and ineligible to represent a member school until a transfer of eligibility form is filed and an eligibility ruling is rendered.
- 2.3.5 Grades 9-12 Summer School:** Secondary school-sponsored summer courses may count toward maintaining senior high academic eligibility for the **FALL** semester provided the following requirements are met:
- a. The counting of secondary school-sponsored summer school credits must first be approved by the local school administration.
 - b. Credit earned for the summer school course is placed on the student's school transcript and counts towards graduation.
 - c. The course must be a class identified by the local school board/governing body as required for graduation/promotion requirements.
 - d. Only electives that are taken in one of the four **core content areas** (language arts, mathematics, science, and social studies) may be counted toward this requirement of academic eligibility.
 - e. Secondary-school sponsored summer **online** courses that meet the specifications of By-Law 2.3.4.b (placed on the transcript) may be counted if they are completed and passed before July 31.
 - f. No more than one credit earned in summer school shall count toward maintaining academic eligibility.
- 2.3.6 Grades 6, 7 and 8 Requirements:** A student in Grades 6, 7 or 8 must meet the following requirements in order to be academically eligible to participate in interscholastic activities:
- 2.3.9 Fifth Day Requirement - Gaining Eligibility:** A student who was academically ineligible the preceding semester (high school) or grading period (junior high) but meets the academic standard at the close of that semester (high school) or grading period (junior high) becomes eligible the **fifth day classes are attended** in the succeeding semester (high school) or grading period (junior high). **Exception:** *If an interscholastic contest is played before the formal opening of school and a student has become academically eligible for the fall semester/grading period and is eligible in all other respects he/she may be eligible to participate under this provision provided the student is properly enrolled in school.*
- 2.3.10 Fifth Day Requirement - Losing Eligibility:** A student who becomes academically ineligible shall lose the privilege to represent the school the **fifth day classes are attended** in the succeeding semester (high school) or grading period (junior high). **Exception:** If a student becomes academically ineligible for the fall semester (high school) or first grading period (junior high) he/she is ineligible for all activities beginning with the first event.

MSHSAA Academic Requirements for High School Students

- 2.3.11 Incomplete at Close of Semester:** Credit earned or completed after the close of the school's semester shall not count as having been earned that semester, except in case of illness verified by a physician. This rule is automatically waived in case a student fails to complete the required units of credit in a given semester because of his being drafted or being called to service in the National Guard or military service.
- 2.3.12 Alternative Schedules:** The Board of Directors shall have the authority to determine the academic standards students shall meet in a school which does not have a traditional two-semester school year. Any changes approved shall be equitable for all students.

**For further interpretation of athletic eligibility requirements, please
contact your counselor or the athletic office.**

<https://www.mshsaa.org/resources/pdf/Official%20Handbook.pdf>

NCAA Eligibility Quick Reference Guide

<http://www.ncaa.org/about/student-athlete-eligibility>

ONE OPPORTUNITY. LIMITLESS POSSIBILITIES.

If you want to compete in NCAA sports, you need to register with the NCAA Eligibility Center at eligibilitycenter.org. Plan to register before your freshman year of high school (or year nine of secondary school). Visit on.ncaa.com/RegChecklist to help guide you through the registration process.

ACADEMIC REQUIREMENTS

To study and compete at a Division I or II school, you must earn 16 NCAA-approved **core-course credits**, earn a corresponding test score* that matches your **core-course GPA** and submit your final transcript with proof of graduation to the Eligibility Center.

CORE-COURSE REQUIREMENTS

DIVISION I

Earn 16 NCAA-approved core-course credits in the following areas:

ENGLISH	MATH (Algebra I or higher)	SCIENCE (Including one year of lab, if offered)	ADDITIONAL (English, math or science)	SOCIAL SCIENCE	ADDITIONAL COURSES (Any area listed to the left, world language or nondoctrinal religion/philosophy)
4 years	3 years	2 years	1 year	2 years	4 years

For Division I, 10 of your 16 NCAA-approved core-course credits must be completed before the start of your seventh semester, including seven in English, math or science.

DIVISION II

Earn 16 NCAA-approved core-course credits in the following areas:

ENGLISH	MATH (Algebra I or higher)	SCIENCE (Including one year of lab, if offered)	ADDITIONAL (English, math or science)	SOCIAL SCIENCE	ADDITIONAL COURSES (Any area listed to the left, world language or nondoctrinal religion/philosophy)
3 years	2 years	2 years	3 years	2 years	4 years

GRADE-POINT AVERAGE

The Eligibility Center calculates your **core-course GPA** based on the grades you earn in NCAA-approved core courses.

- » Division I requires a minimum 2.3 core-course GPA.
- » Division II requires a minimum 2.2 core-course GPA.

DIVISION III

While **Division III schools** set their own admissions and academic requirements, **international student-athletes** (first-year enrollees and transfers) who initially enroll full time at a Division III school on or after Aug. 1, 2023, are required to complete an **Amateurism-Only Certification account**. Contact the Division III school you plan to attend for more information about its academic requirements.

*More information regarding the impact of COVID-19 and test scores can be found at on.ncaa.com/COVID19_Spring2023.

NCAA Eligibility Quick Reference Guide



How to plan your high school courses to meet the 16 core-course requirement:

$$4 \times 4 = 16$$

9TH GRADE

(1) English
(1) Math
(1) Science
(1) Social Science
and/or additional

4 CORE COURSES

10TH GRADE

(1) English
(1) Math
(1) Science
(1) Social Science
and/or additional

4 CORE COURSES

11TH GRADE

(1) English
(1) Math
(1) Science
(1) Social Science
and/or additional

4 CORE COURSES

12TH GRADE

(1) English
(1) Math
(1) Science
(1) Social Science
and/or additional

4 CORE COURSES

CONTACT THE NCAA ELIGIBILITY CENTER

U.S. and Canada (except Quebec):
877-262-1492 - Monday-Friday,
9 a.m. to 5 p.m. Eastern time

SEARCH FAQ:

ncaa.org/studentfaq

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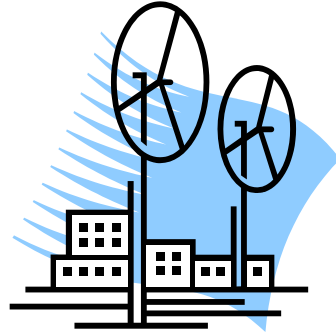


ELIGIBILITY CENTER

Agriculture, Food & Natural Resources

Related Careers:

Agricultural Inspector
Animal Scientist
Chemical Technicians
Environmental Engineer
Farmer & Rancher
Fish & Game Warden
Food Scientist
Forest & Conservation Scientist
Landscaping Technician
Nursery & Greenhouse Manager
Park Ranger
Pest Control Worker
Ship & Boat Captain
Soil & Water Conservationists
Water & Liquid Waste Manager
Zoologist & Wildlife Biologist



Suggested elective courses

KHS: Art & Science of Food, Economics, Anatomy & Physiology, AP Chemistry, Environmental Sustainability

SOUTH TECH: Veterinary Assistant, Culinary Arts

Architecture & Construction

Related Careers:

Architect
Brickmason
Carpenter
Civil Engineer
Electrician
Floor Layers
Heat & Air Conditioning Mechanics & Installers
Home Appliance Repair
Interior Designer
Laborer
Landscape Architect

Plumber
Roofer
Security System Installer
Surveyor



Suggested elective courses

KHS: Civil Engineering & Architecture, Digital Electronics, Introduction to Engineering Design, Engineering Design & Development, Graphic Design, Art Fundamentals, Drawing, Woodworking, Precision Machining Technology, Principles of Engineering, Fashion & Interior Design, any Math course, Technical Theatre

SOUTH TECH: Construction Innovations, Carpentry, Construction and Maintenance, Electrical Trades, Floor Layers, Heating, Ventilation & Air Conditioning

Art, Audio/Video Technology & Communications

Related Careers:

Actor/Actress
Advertising Executive
Animator
Art Directors
Audio & Video Equipment Technician
Broadcast News Reporter
Camera Operators - Television, Video & Film
Choreographers
Computer Programmer
Copywriter/Editor
Dancer
Directors/Producers
Electronic Home Entertainment Equipment Installers
Fashion Designer

Film & Video Editor
Fine Artist (including painter, sculptor, & illustrator)
Gallery/Art Curator
Graphic Designer
Interior Designer
Journalist
Musician/Singer
Photographer
Public Relations Specialist
Set/Stage Designers
Writers/Authors



Suggested elective courses

KHS: Art Fundamentals, Ceramics, Graphic Design, SmashCode, Painting, Sculpture, Drawing, Multimedia Broadcast, Drama, Journalism (Pioneer or Call), Public Speaking, Fashion & Interior Design, Dance, Woodworking, Improvisation, Technical Theatre, Music Production & the Recording Arts

SOUTH TECH: Cosmetology, Graphic Design, Web & Computer Programming

Business Management & Administration

Related Careers:

Accountant
Advertising & Promotions
Agents & Business Manager
Chief Executive
Computer Programmer
Court Clerk
Data Base Administrator
Economist
Entrepreneur
Financial Analyst
Insurance Agent
Public Relations Specialist
Secretary

Sales Manager
Small Business Owner



Suggested elective courses

KHS: Accounting, Startup!, Computer Applications, AP Computer Science Principles, Intro to Marketing, Advanced Marketing, SmashCode, Economics, Public Speaking, Personal Finance, AP Statistics, Psychology, Sociology, Entrepreneurship

SOUTH TECH: Design & Entrepreneurship, Web & Computer Programming

STL CAPS: Global Business & Entrepreneurship

Education and Training

Related Careers:

Coach and Scout
College Professor or University Administrator
Dietitian and Nutritionist
Elementary Teacher
Fitness Trainer and Aerobics Instructor
Historian
Instructional Coordinator
Interpreter and Translator
Librarian
Preschool Teacher
School Counselor
School Administrator
Writer and Author



Suggested elective courses

KHS: Sociology, Psychology, Health, Child Development, Public Speaking, Computer Applications, Cadet Teaching, PE courses, Improvisation

SOUTH TECH: Early Childhood Education

Finance

Related Careers:

Account Manager
Accountant
Actuary
Bank Teller
Banker
Bill Collector
Chief Financial Officer
Financial Analyst
Financial Planner
Insurance Claims Adjustor
Loan Counselor
Sales Representative
Stock Trader
Wealth Manager



Suggested elective courses

KHS: Accounting, Economics, Calculus, Personal Finance, AP Statistics, Business Communications, Computer Applications, any Math course

STL CAPS: Global Business & Entrepreneurship

Government & Public Administration

Related Careers:

Chief Executive
Foreign Ambassador
Homeland Security Official
Judge
Lawyer
Legislator
Mapping Technician
Military Service
National Security Personnel
Political Scientist
Public Service Administrator
Revenue Agent
Social & Community Service Manager

Tax Examiner, Collector, Preparer
Urban Planner



Suggested elective courses

KHS: Sociology, Psychology, AP Government & Politics, Intro to Law, Public Speaking, Drama, Improvisation, Business Communications, Accounting, Physical Education, Health, Civil Engineering & Architecture, Engineering Design & Development

SOUTH TECH: Law Enforcement

Health Science

Related Careers:

Anesthesiologist
Chiropractor
Dentist / Dental Hygienist
Dietitian / Nutritionist
Emergency Medical Technician
Laboratory Technician
Massage Therapist
Medical Assistant
Nuclear Medicine Technician
Nurse
Occupational Therapist
Optometrist
Orthodontist
Pharmacist

Physical Therapist
Physician
Physician Assistant Radiologist
Psychiatrist
Psychologist
Respiratory Therapist
Substance Abuse Counselor
Surgeon
Veterinarian
X-Ray Technician



Suggested elective courses

KHS: Anatomy & Physiology, AP Chemistry, AP Biology, Environmental Sustainability, Psychology, Sociology, Health, Child Development, Foods

SOUTH TECH: Dental Sciences, Emergency Medical Technician, Health Sciences, Pharmacy Sciences, Veterinary Assistant

STL CAPS: Medicine, Healthcare & Bioscience

Hospitality & Tourism

Related Careers:

Booking Agent/Manager
Caterer
Chef
Concert Coordinator
Concierge
Event Planner
Hotel Manager
Host/Hostess
Museum Curator
Parks & Recreation Director
Restaurant Owner
Small Business Owner
Tour Guide
Travel Agent
Waiter



Suggested elective courses

KHS: Art & Science of Food, Baking & Pastries, Sociology, Psychology, Public Speaking, Computer Applications, Art Fundamentals, Recreational Sports, Startup!, Accounting, Environmental Sustainability, Advanced Marketing, Drama, Improvisation

SOUTH TECH: Culinary Arts, Graphic Design

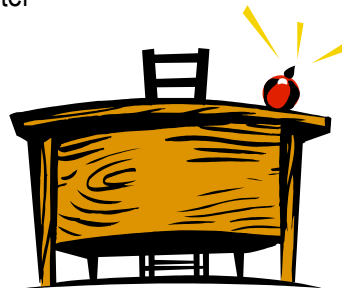
STL CAPS: Global Business & Entrepreneurship

Human Services

Related Careers:

Auctioneer
Bank Teller
Cashier
Child Care Worker
Civil Servant
Clergy or Missionary
Counselor/School Psychologist
Funeral Director/Embalmer
Hairdresser
Interpreter/Translator
Principal
Receptionist
Social Worker

Sociologist
Teacher
Firefighter



Suggested elective courses

KHS: World Language, Child Development, Psychology, AP Psychology, Sociology, Public Speaking, Computer Applications, Improvisation, Drama, Accounting, Anatomy & Physiology, Health

SOUTH TECH: Early Child Education, Cosmetology, Firefighting

Information Technology

Related Careers:

Animator
Computer Engineer
Computer Hardware Engineer
Computer Programmer
Computer Security System Specialist
Database Administrator
Data Processor
Help Desk Technician
Information Systems
Multimedia Artist
Network & Computer System Administrator
Software Developer
Robotics
Telecommunications Specialist
Web Designer



Suggested elective courses

KHS: SmashCode, Principles of Engineering, Computer Applications, Art Fundamentals, Graphic Design, Computer Integrated Manufacturing, Digital Electronics, Math courses, AP Computer Science Principles, Engineering Design & Development, Multimedia Broadcast, Music Production & the Recording Arts

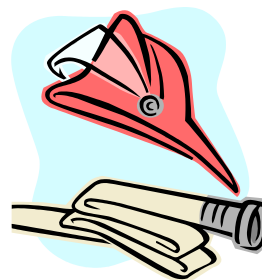
SOUTH TECH: CISCO Networking Academy, Graphic Design, Information Technology, Electrical Trades, Electronics & Robotics Engineering, Precision Machining, Web & Computer Programming

STL CAPS: Technology Solutions & Logistics

Law, Public Safety, Corrections & Security

Related Careers:

Bailiff	Private Investigator
Court Reporter	Policeman
Crime Scene Investigator	Prison Guard
Detective	Private Detective
Fire Fighter	Security Guard
Judges	
Law Clerk	
Lawyer	
Legal Secretary	
Paralegal	
Parole Officer	



Suggested elective courses

KHS: Intro to Law, Psychology, Sociology, Public Speaking, Drama, Strength & Conditioning, AP Government & Politics, Computer Applications, AP Psychology

SOUTH TECH: Law Enforcement, Firefighting, Welding

Manufacturing

Related Careers:

Assembly Line Worker
Auto Mechanic
Carpenter
Chemical Technician
Electrician
Engine Assembler
Hazardous Material Worker
Jeweler
Locksmith
Machinist
Nuclear Power Technician
Packaging Manager

Sheet Metal Worker
Stone Cutter
Upholsterer
Watch Repairer
Welder



Suggested elective courses

KHS: Precision Machining, Woodworking, Intro to Engineering, Digital Electronics, Computer Integrated Manufacturing

SOUTH TECH: Carpentry, Construction Innovations, Construction and Maintenance, Construction Trades, Electrical Trades, Design & Entrepreneurship, Electronics & Robotics Engineering, Welding, Light Manufacturing, Precision Machining, Auto Body, Automotive Technology

STL CAPS: Engineering & Advanced Manufacturing

Marketing, Sales & Service

Related Careers:

Advertising & Promotions Manager
Fashion Model
Interior Designer
Market Research Analyst
Marketing Manager
Pharmaceutical Salesperson
Real Estate Agent
Salesperson
Stock Clerk
Telemarketer
Travel Agent
Web Designer
Whole Sale & Retail Buyer



Suggested elective courses at KHS: Intro to Marketing, Advanced Marketing, Marketing Internship, Public Speaking, Art Fundamentals, Graphic Design, Business Communications, Startup!, SmashCode, Fashion & Interior Design, Magazine Journalism (Pioneer), Multimedia Broadcast, Calculus

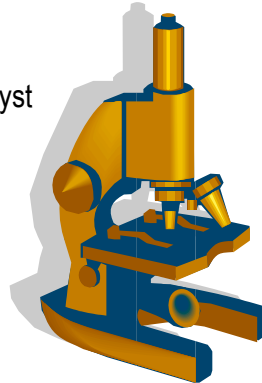
SOUTH TECH: Graphic Design, Web & Computer Programming, Design & Entrepreneurship

STL CAPS: Global Business & Entrepreneurship

Science, Technology, Engineering & Mathematics

Related Careers:

Actuary	Industrial Engineer
Aerospace Engineer	Mathematician
Archeologist	Marine Biologist
Astronomer	Microbiologist
Biochemist	Physicist
Biomedical Engineer	Research Analyst
Computer Engineer	Statistician
Civil Engineer	Zoologist
Doctor	
Economist	
Electrical Engineer	
Environmental Engineer	
Geologist	



Suggested elective courses

KHS: Environmental Sustainability, Aerospace Engineering, Principles of Engineering, Intro to Engineering Design, Math courses, AP Statistics, Calculus, AP Physics, Space & Planetary, Anatomy & Physiology, Economics, AP Computer Science Principles, Computer Integrated Manufacturing

SOUTH TECH: Cisco Networking Academy, Electronics & Robotics Engineering, Pharmacy Sciences, Health Sciences, Web & Computer Programming, Information Technology

STL CAPS: Engineering & Advanced Manufacturing; Medicine, Healthcare & Bioscience

Transportation, Distribution & Logistics

Related Careers:

Aerospace Engineer	Shipping & Receiving Clerk
Air Traffic Controller	Traffic Technician
Aircraft Cargo Supervisor	Train Operator
Aircraft Mechanic	Truck Driver
Auto mechanic	
Aviation Inspector	
Crane Operator	
Distribution Manager	
Flight Attendant	
Laborer	
Logistics Coordinator	
Pilot	
Safety Specialist	
Ship Captain	



Suggested elective courses

KHS: Aerospace Engineering, Discrete Math, Principles of Engineering, Digital Electronics, Computer Integrated Manufacturing, Precision Machining, Computer Applications, Math courses, Health

SOUTH TECH: Auto Collision Repair, Automotive Technology