

KIRKWOOD HIGH SCHOOL



COURSE DESCRIPTION BOOK

2025 - 2026

800 Dougherty Ferry Road
Kirkwood, MO 63122

MISSION STATEMENT KIRKWOOD SCHOOL DISTRICT

**STUDENTS OF THE KIRKWOOD SCHOOL DISTRICT WILL THINK CRITICALLY
AND CREATIVELY, DRIVEN BY A SENSE OF WONDER, CONNECTION, AND JOY.**

(Approved by the Kirkwood School District Board of Education Spring 2017)

The Kirkwood R-7 School District does not discriminate on the basis of sex, race, religion, age, national origin, handicap, or disability in admissions to, or treatment or employment in its programs and activities. Any person having inquiries concerning the District's compliance with Title IX, Section 504 for student issues should contact Dr. Matt Bailey, Assistant Superintendent of Data, Intervention and Supports, at (314) 213-6106 and for employee issues, should contact Dr. Howard Fields, Assistant Superintendent of Human Resources, by calling (314) 213-6103.

COURSE DESCRIPTION BOOK
2025 - 2026
(Updated 12/13/24)

KIRKWOOD HIGH SCHOOL
801 W. ESSEX
KIRKWOOD, MISSOURI 63122

Dr. Seth Harrell, Principal
Alex Clark, Assistant Principal
Dr. Courtney Ford, Assistant Principal
Dr. Mike Gavin, Assistant Principal
Stephanie Owens, Assistant Principal
Dr. Shiree Yeggins, Assistant Principal

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

NEW Course Offering:

- **Musical Theatre (page 54)** is a new Performing Arts offering combining singing, acting and dancing.
- **Teaching and Learning Cohort (page 73)** is a 2 credit, year-long offering to explore the teaching profession.

Course Changes:

- **B.A.S.E.-L.E.V.E.L.-U.P. (page 44)** is the new name for our Social Studies course focusing on black history.
- **Cadet Teach (page 104)** can now be used for up to 15 hours of tutoring or mentoring towards the A+ Program requirements.
- **Anatomy & Physiology I and II (page 38)** will be available, pending approval, for dual credit from Missouri State University.
- **Precision Machining Technology I and II (page 66)** will now be split into two semester long courses rather than a single, full year course.
- **Woodworking and Carpentry I and II (page 66)** will now be split into two semester long courses rather than a single, full year course.
- **GR 9 Study Block (page 104)** was previously called GR 9 Academic Support.

Courses on Rotation:

- **ENGINEERING (page 68) - Computer Integrated Manufacturing - Robotics (CIM)** will be available for 2025-2026.
 - Digital Electronics (DE) won't be available until 2026-2027.
- **SOCIAL STUDES (page 45) - AP World History: Modern** will be available for 2025-2026.
 - AP Human Geography won't 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.

Dual Credit Reminder for 9th grade students: (page 9)

- 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.

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:	Ms. Stephanie Owens, Assistant Principal Ms. Rachel Cosic, Counselor
Sophomore Team:	Mr. Alex Clark, Assistant Principal Ms. Robin Kennedy, Counselor
Junior Team:	Dr. Mike Gavin, Assistant Principal Mr. Taylor Sebestik, Counselor
Senior Team:	Dr. Courtney Ford, Assistant Principal Mr. Joe Fisch, Counselor
College Counselors:	Mr. Josh Jaworowski Ms. Abby Peterson
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 2025-2026 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 x1048 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.

CREDIT REQUIREMENTS

English	4 credits
Mathematics	3 credits
Science	3 credits
Social Studies	3 credits
Fine Arts	1 credit
Practical Arts	1 credit
Personal Finance	.5 credit
Physical Education	1 credit
Health	.5 credit
Electives	7 credits
TOTAL	24 credits

ADDITIONAL REQUIREMENTS

Complete the following End-of-Course Assessments (EOCs)

- Algebra
- Biology
- English II
- Government

Pass the US and Missouri Constitution tests

Pass the Missouri Civics test

CPR training and experience

Furthermore, the following specific conditions shall apply:

GENERAL PROVISIONS (Kirkwood School District Policy)

- 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.
- 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.
- Credit for correspondence and/or night school course(s) may be accepted toward graduation requirements under the following conditions. (1) Correspondence and/or night course(s) are accredited by state supported colleges and universities and (2) The correspondence and/or night course(s) are approved by the student's counselor prior to enrollment in the course(s).
- 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. Grades for MODIFIED credit courses may be P (passing) or I (incomplete).

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) is removed from the student’s transcript and is not calculated into the student’s GPA.
- If a student receives an “I” (Incomplete) for a course and does not finish the required work within six weeks, it will be converted into an F.

RETAKE A CLASS

- If a student wishes to re-take a course in which the student has earned a “D -” or better, administrative approval must be granted to replace the initial grade with the “new” grade.
- Class must be taken as an enhancement class.

TRANSFER STUDENTS

- Course placement 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. Coursework completed through non-accredited institutions or programs will not appear on the Kirkwood High School official transcript.
- Students transferring 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 offered through KHS.

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 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:

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.

AP COURSES vs. DUAL CREDIT COURSES

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.

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.

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.

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	(Pending approval)	
AP Biology	BIO121 General Biology I	4
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
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

COLLEGE CREDIT PROGRAMS

Missouri State University Dual Credit Courses (continued)

KIRKWOOD COURSE TITLE	MISSOURI STATE COURSE TITLE	CREDIT HRS.
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 TITLE	MISSOURI S&T COURSE TITLE	CREDIT HRS.
Introduction to Engineering Design*	MECH ENG 1720: Introduction to Engineering Design	
Principles of Engineering*	MECH ENG 1720: Introduction to Engineering Design	
Aerospace Engineering*	MECH ENG 1720: Introduction to Engineering Design	
Civil Engineering & Architecture*	MECH ENG 1720: Introduction to Engineering Design	3
Computer Integrated Manufacturing*	MECH ENG 1720: Introduction to Engineering Design	
Digital Electronics*	MECH ENG 1720: Introduction to Engineering Design	
Engineering Design and Development*	MECH ENG 1720: Introduction to Engineering Design	
Environmental Sustainability*	MECH ENG 1720: Introduction to Engineering Design	
<i>*Must take any two of the accepted above classes to have the option of receiving MECH ENG 1720 - Introduction to Engineering Design, a freshman class required of all Missouri S&T engineering majors.</i>		
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

Physics	(SC100A/SC100B)
Accelerated Physics	(SC101A/SC101B)

Social Studies

World History Geo 1450-Present	(SS105A/SS105B)
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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 122).**
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

US 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 122).**

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 122).

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
<p>Highly Selective Colleges Examples: Harvard, Northwestern, Washington University, Vanderbilt, University of Chicago, NYU, Stanford, Rice, Notre Dame, Military Academies, etc.</p>	4	4	4	4	4
<p>Moderately Selective Colleges Examples: Virginia, Georgia, Florida, Tulsa, Boston University, Elon, Illinois, Marquette, Tulane, Purdue, Michigan, etc.</p>	4	4	4	4	3
<p>University of Missouri System Examples: Missouri S&T, UMSL, UMKC, UM-Columbia</p>	4	4	3	3	2
<p>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.</p>	4	3-4	3-4	3	2
<p>Community College Examples: STLCC, Jefferson College, Mineral Area College</p>	4	3-4	3	3	0-2
<p>Technical Colleges Examples: Ranken Tech, State Technical College of Missouri</p>	4	3-4	3	3	0-2
<p>Military Examples: Army, Navy, Air Force, Marines, National Guard</p>	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 112)

(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 Betsy 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 Betsy 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	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 112)

(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)

Grade: 9, 10, 11, 12

NCAA Approved Course

1 Math Credit

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)

Grade: 9, 10, 11, 12

NCAA Approved Course

1 Math Credit

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)

Grade: 9, 10

NCAA Approved Course

1 Math Credit

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 1 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 1 and Geometry with a combined average of B or higher.

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.

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	9	Full Year	None
SC101A/B	Accelerated Physics	9	Full Year	Algebra I
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 112)

(Subject to Change)

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

- one credit in Physics I (or Accelerated Physics)
- one credit in Chemistry
- one credit in Biology

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.

It is highly recommended that students taking Algebra in ninth grade enroll in Physics. Students in Geometry or higher should enroll in Physics if they feel they are not ready for the pace and mathematical requirements of Accelerated Physics.

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.

It is recommended that students taking Geometry Honors or higher enroll in Accelerated Physics. Students in Geometry should enroll in Accelerated Physics if they are comfortable with the pace and mathematical requirements. Students in Algebra should enroll in Physics.

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.

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 (Pending approval).**

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 (Pending approval).**

Space and Planetary Science (SC304A/SC304B)

Grade: 11,12

NCAA Approved Course

1 Elective Credit

Year

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.

SCIENCE: ELECTIVE CREDIT

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.

These prerequisites 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.

Dual credit availability is subject to change.

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 be offered 2025-2026; WILL NOT be offered 2026-2027)	11-12	Full Year	3.0 GPA
SS504A/B	AP Human Geography* (WILL NOT be offered 2025-2026; WILL be offered 2026-2027)	11-12	Full Year	3.0 GPA

*College Credit Available (see page 10)

†Also available as a Virtual KHS PeLA course (see page 112)

(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 - 1450-Present
- 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) **.5 Elective Credit**
Grade: 10, 11, 12 *NCAA Approved Course*
Prerequisite: None **Semester**

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) **.5 Elective Credit**
Grade: 10, 11, 12 *NCAA Approved Course*
Prerequisite: None **Semester**

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) **.5 Elective Credit**
Grade 11, 12 *NCAA Approved Course*
Prerequisite: None **Semester**

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) **.5 Elective Credit**
Grade: 11, 12 *NCAA Approved Course*
Prerequisite: None **Semester**

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) **.5 Elective Credit**
Grade: 11, 12 *NCAA Approved Course*
Prerequisite: None **Semester**

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) **1 Elective Credit**
Grade: 11, 12 *NCAA Approved Course*
Prerequisite: Students must have a 3.0 GPA **Year**

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 2024-2025; WILL BE OFFERED 2025-2026)

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 2024-2025; WILL NOT BE OFFERED 2025-2026)

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 112)

(Subject to Change)

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

FINE ARTS: ART

<p><u>Art History</u> AP Art History</p>	<p><u>Drawing/Painting</u> Drawing I Drawing II Painting AP Drawing</p>	<p><u>3-D Design</u> Sculpture Ceramics I Ceramics II AP 3-D Art & Design</p>	<p><u>2-D Design</u> Fine Art Photography Graphic Design I Graphic Design II AP 2-D Art & Design</p>
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The above chart shows possible career 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
Year

Grade: 10, 11, 12

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
Year

Grade: 10, 11, 12

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 (Not being offered 2025-2026)	9-12	Semester 2	Marching Band
FA111A/B	Symphonic Band	9-12	Semester 2	Marching Band AND Audition or Teacher Approval
FA111A/B	Wind Ensemble	9-12	Semester 2	Marching Band AND 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

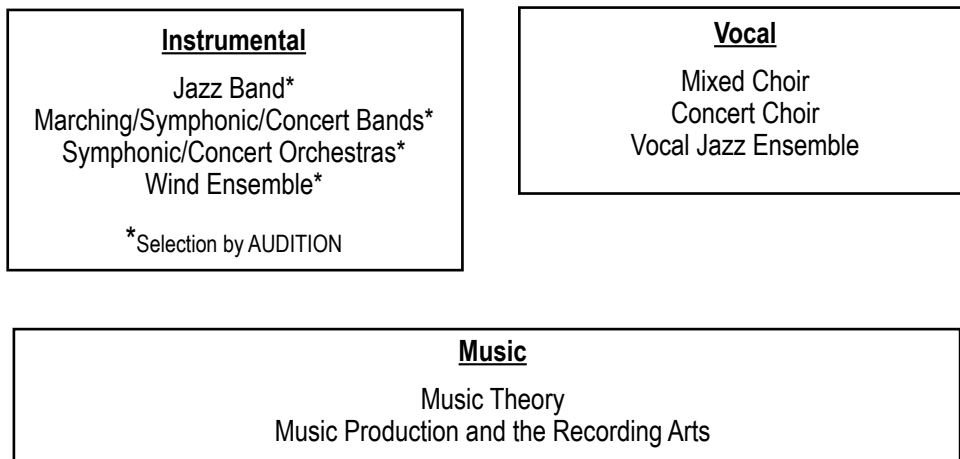
**.5 Fine Art or Elective Credit
Semester**

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.

Dual credit availability is subject to change.

FINE ARTS: MUSIC

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.

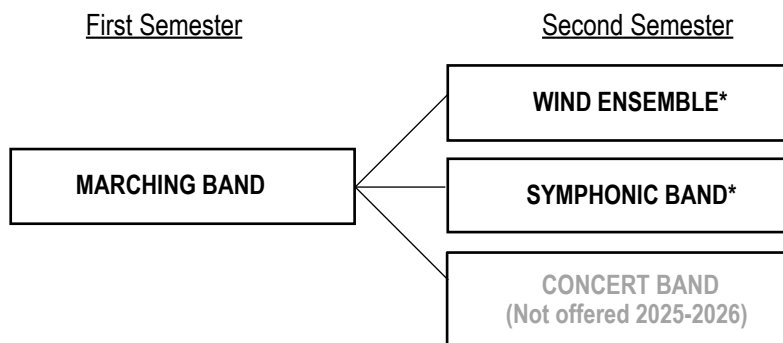


MUSIC (BAND)

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 CONCERT BAND, WIND ENSEMBLE or SYMPHONIC BAND.
- All rising *Freshmen* will enroll in SYMPHONIC BAND Semester 2.
- All rising *Sophomores, Juniors, and Seniors* will be assigned to WIND ENSEMBLE or SYMPHONIC BAND Semester 2 by audition.



*Selection by AUDITION

Marching Band (FA111A/FA111B)

Grade: 9, 10, 11, 12

**.5 Fine Art or Elective Credit
Fall Semester**

Required marching clinics and rehearsals for the Pioneer Pride Marching Band will be held 2 weeks before the first week of school in August. The Pioneer Pride Marching Band performs at school assemblies, all home football games (including home playoff games and the state final playoff game), and the Green Tree Parade. All percussion students are required to complete an audition in April administered by Kirkwood band teachers to be considered for Marching Drumline the following year.

Public performances are a requirement of this class.

FINE ARTS: MUSIC (BAND)

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: 10, 11, 12

.5 Fine Art or Elective Credit

Spring Semester

Symphonic Band members will perform standard works for the high school band and will further develop skills in tone production, technique, rhythm, intonation, ensemble playing, sight-reading and musicianship. 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.

Wind Ensemble (FA111A/FA111B)

Grade: 10, 11, 12

.5 Fine Art or Elective Credit

Spring Semester

Wind Ensemble members will perform standard works for the high school band while developing their skills in tone production, technique, rhythm, intonation, ensemble playing, sight-reading and musicianship while mastering Grade 3-5 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.

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 members will learn the concepts of playing in the jazz style (phrasing, improvisation, articulations, rhythm patterns, and blend). Jazz band classes are an extension of the regular band class. In order to develop the skills necessary to participate in Jazz Band, students must be concurrently enrolled in a band class (except for Bass, Guitar and Piano players). The Jazz Band meets one evening per week.

MUSIC (ORCHESTRA)

Concert Orchestra (FA112A/FA112B)

Grade: 9, 10, 11, 12

1 Fine Art or Elective Credit

Year

Prerequisite: Audition or Teacher Approval

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

1 Fine Art or Elective Credit

Year

Prerequisite: Audition or Teacher Approval

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

Music Production & the Recording Arts (FA211C)

Grade: 10, 11, 12

Prerequisite: Some previous music experience preferred.

.5 Fine Art or Elective Credit
Semester

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)

Grade: 10, 11, 12

Prerequisite: Some previous music experience and Teacher Approval

1 Fine Art or Elective Credit
Year

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 61
- **Engineering & Technology Department**.....page 65
- **Family & Consumer Science Department**.....page 70

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 PA305A/B	Advanced Marketing* Marketing Internship	11-12	Full Year 6th & 7th Periods	Introduction to Marketing (B or better) - must be taken sophomore or junior year
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

*College Credit Available (see page 10)

†Also available as a Virtual KHS PeLA course (see page 112)

(Subject to Change)

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

BUSINESS COURSE GUIDE

<p>Information Technology (IT)</p> <p>SmashCode I & II Introduces students to the fundamentals of coding through emerging technologies.</p> <p>AP Computer Science Principles* Develops students' computational thinking and problem solving skills.</p> <p><small>*This course is not eligible to be part of the PSB scholarship.</small></p>	<p>Finance</p> <p>Accounting I Accounting studies the process of maintaining and auditing records and preparing financial reports.</p> <p>Students learn to evaluate financial statements and develop solutions for local municipalities and small businesses through a problem solving process.</p>	<p>Administration</p> <p>Computer Applications I & II Computer Applications is an overview of desktop publishing on Microsoft Office and Photoshop.</p> <p>Business Communications Students prepare for a job interview by mastering verbal and nonverbal communication as well as body language and written communication.</p> <p>Introduction to Law Students analyze and evaluate citizen's rights, court structure, and landmark cases through case studies and research.</p>	<p>Marketing & Entrepreneurship</p> <p>Startup! Plan, start and operate small businesses emphasizing the critical problem solving skills required to be successful.</p> <p>Introduction to Marketing Students will develop brands, design graphics and learn social media strategy in order to develop promotional campaigns for companies and WoodPepNation.</p> <p>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.</p> <p>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</p>
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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**

Dual credit availability is subject to change.

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.**

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)*	10-12	Full Year	None
PA207A/B	Digital Electronics* (NOT being offered 2025-2026)	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

Pending Board Approval

.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)

Pending Board Approval

.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

Pending Board Approval

.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

Pending Board Approval

.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 joinery 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

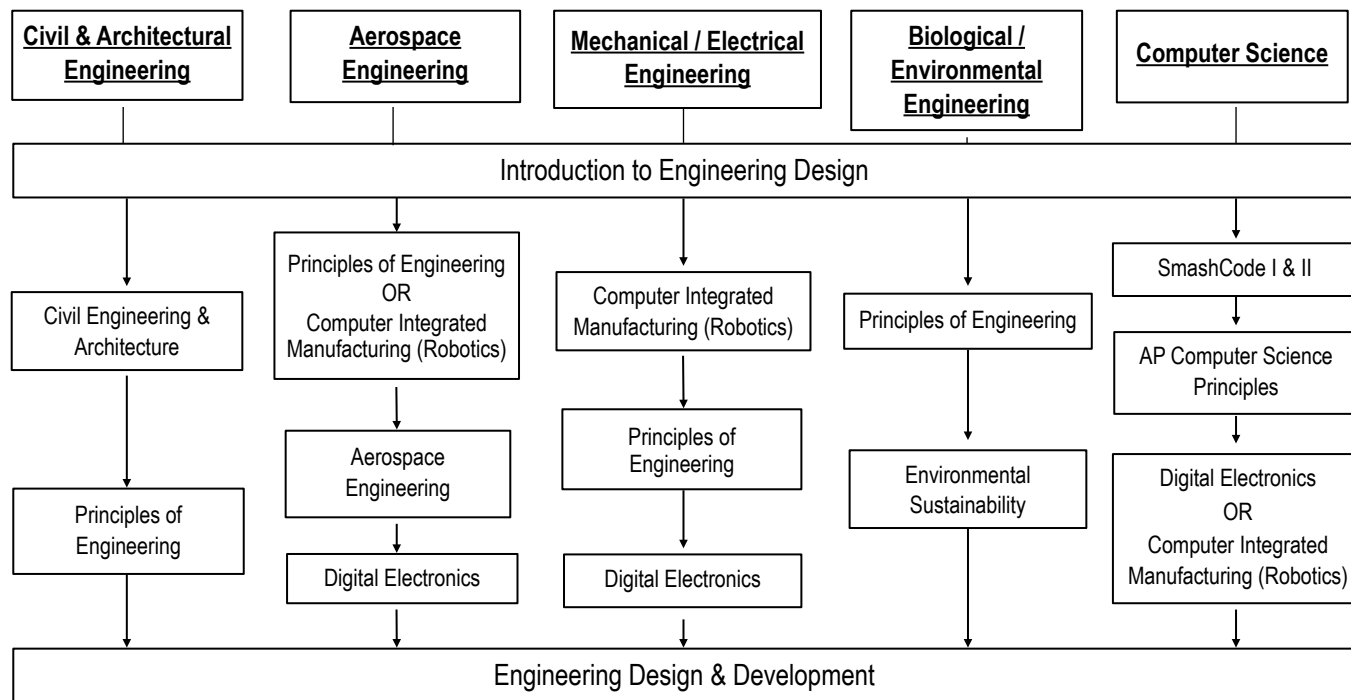
The Kirkwood Engineering & Technology department would like to introduce you to our current pre-engineering offerings. Our department offers courses developed by Project Lead the Way (PLTW).

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 through 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 through 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

Year

Prerequisite: Algebra I

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 through 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

Year

Prerequisite: None

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 through 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

Year

Prerequisite: None

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 through Missouri S&T upon completion of TWO accepted classes.**

(COMPUTER INTEGRATED MANUFACTURING WILL BE OFFERED 2025-2026; WILL NOT BE OFFERED 2026-2027)

Digital Electronics (PA207A/PA207B)

Grade: 10, 11, 12

1 Practical Art or Elective Credit

Year

Prerequisite: None

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 through Missouri S&T upon completion of TWO accepted classes.**

(DIGITAL ELECTRONICS WILL NOT BE OFFERED 2025-2026; WILL BE OFFERED 2026-2027)

AP Computer Science Principles (PA501A/PA501B)

Grade: 10, 11, 12

1 Practical Art or Elective Credit

Year

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

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)

1 Practical Art or Elective Credit

Grade: 10, 11, 12

NCAA Approved Course

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 through Missouri S&T upon completion of TWO accepted classes.**

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

1 Practical Art or Elective Credit

Grade: 10, 11, 12

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 through 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	9-10	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	Art & Science Foods I
PA113C	Art and Science of Foods II	9-12	Semester	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: Pathways to Teaching*	10-12	Semester	2 nd Semester Sophomore or above
PA307C	Child Development II: Pathways to Teaching*	11-12	Semester	Child Development I
PA308C	Independent Child Development: Pathways to Teaching	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

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

.5 Practical Art or Elective Credit

Grade: 9, 10

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 (formally Foods and Nutrition 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, macarons, 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 (formally Foods and Nutrition 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: Pathways to Teaching (PA203C)

Grade: 10^{***}, 11, 12

Prerequisite: ^{***}Only 2nd Semester Sophomores and up may enroll in this class.

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

Child Development II: Pathways to Teaching (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.**

Independent Child Development: Pathways to Teaching (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

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

†Also available as a Virtual KHS PeLA course (see page 112)

(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.**

Dual credit availability is subject to change.

PHYSICAL EDUCATION & HEALTH

PHYSICAL EDUCATION

COURSE NUMBER	COURSE NAME	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
PE100C	Aquatics I	9-12	Semester	None
PE103C	Dance & Fitness	9-12	Semester	None
PE107C	Lifeguard Training	9-12	Semester	Must be 15 years old on or before the final exam
PE101C	Lifetime Fitness†	9-12	Semester	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

†Also available as a Virtual KHS PeLA course (see page 112)

GRADUATION REQUIREMENT: All students are required to pass a minimum of **one credit** of Physical Education 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.

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.

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.

Lifetime Fitness (PE101C)

Grade: 9, 10, 11, 12

**.5 Physical Education or Elective Credit
Semester**

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.

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.

Strength, Conditioning and Fitness (PE110C)

Grade: 9, 10, 11, 12

**.5 Physical Education or Elective Credit
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)

Grade: 9, 10, 11, 12

**.5 Physical Education or Elective Credit
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

Grade: 9, 10 (PE109C)

Grade: 11, 12 (PE302C)

**.5 Physical Education or Elective Credit
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.

COURSE NUMBER	COURSE NAME	GRADE LEVEL	SEMESTER OR FULL YEAR	PREREQUISITE
HE100C	Health & Wellness 9 10†	9-10	Semester	None
HE300C	Health & Wellness 11 12†	11-12	Semester	None

†Also available as a Virtual KHS PeLA course (see page 112)

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

Health & Wellness 9 10 (HE100C)

**.5 Health Credit
Semester**

Grade: 9, 10

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 & Wellness 11 12 (HE300C)

**.5 Health Credit
Semester**

Grade: 11, 12

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 87

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

- **Journalism Department**.....page 88
- **World Language Department**.....page 91

ELECTIVES: ACT PREP

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

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

ACT Preparation is a course designed to give students an opportunity to prepare to take the ACT (American College Test). Students will spend half the course on the verbal (English, Reading, and Writing) sections and the other half on the Mathematics and Science Reasoning sections of the test. This class will focus on learning and practicing strategies as well as reviewing content to improve scores. It will be offered for .5 elective credit and will be graded on a pass/fail basis.

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	10-12	Full Year	Application Process
EL290A/B	Magazine Journalistic Writing II Honors	10-12	Full Year	Application Process
EL202A/B	Newspaper Journalistic Writing II	10-12	Full Year	Application Process
EL291A/B	Newspaper Journalistic Writing II Honors	10-12	Full Year	Application Process

†Also available as a Virtual KHS PeLA course (see page 112)

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 (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 (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 (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 (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 LANGUAGES

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) **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.

French II (EL205A/EL205B) **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.

French III (EL302A/EL302B) **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.

FRENCH III WILL ONLY BE OFFERED AS AN HONORS COURSE.

French III Honors (EL391A/EL391B) **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.**

French IV (EL402A/EL402B) **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.

FRENCH IV WILL ONLY BE OFFERED AS AN HONORS COURSE.

French IV Honors (EL491A/EL491B) **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.**

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

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 gen ed 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

Work Study

Up to 2 Elective Credits per year

Grade: 9, 10, 11, 12

Prerequisite: None

The Kirkwood High School Work Study Program provides students an opportunity to meet their academic requirements for graduation while gaining valuable work experience. Through this employment experience, students will build the knowledge, skills and self-confidence to be successful in higher education, in the workplace, and in life. Students participating in this program will attend their academic classes daily and be gainfully employed during non-school hours. Students must be 15 years of age with a valid work permit to earn work study credit at KHS. Students must present verification of work hours directly from the employer. Verification should include the name of the company, students name and the number of hours worked. Students may earn up to 2.0 credits per academic school year not to exceed 8.0 total credits.

*Work hours from June to May of the **current** school year can be used towards earning work study credit.*

The Career Management course must be completed in addition to turning in the work hours.

*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 Semester

Grade: 10, 11, 12

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 Semester

Grade: 10, 11, 12

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 Semester

Grade: 9

Prerequisite: None

The transition to high school can be difficult for some ninth grade students due to a heavier academic work load 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.

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

No Credit Semester

Grade: 10, 11, 12

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.

IP (Independent Period)

No Credit Semester

Grade: 10, 11, 12

Prerequisite: 3.2 GPA

Students who earn a 3.2 grade point average the previous quarter are placed in IP rather than 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

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)

Prerequisite: None

Semester

Grade: 12

Students who are eligible for an Off Campus hour must be in 12th grade, 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

Semester

11th graders have the option of first period OR seventh period Off Campus but not both. Only one per same semester. 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.

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.

*Technical Elective Majors are listed in **BOLD & BULLETED**:*

• **AUTO COLLISION REPAIR**

Students will learn to repair and restore vehicles to "like new" condition. Instruction is provided in body straightening and alignment to meet factory specifications, repair of damaged panels, and replacement of component parts, welding, refinishing and painting, estimating damage costs, and preparation of damage reports. Emphasis is placed on a workshop environment and a good work ethic.

College Credit Offered: Ranken & State Technical College: College credit opportunities exist through credit for prior learning or credit by assessment

Certifications Offered: Automobile Service Excellence (ASE) Student Certification in Nonstructural/Paint & Refinishing; S/P2 Safety Certification; I-Car Prolevel 1: Non Structural Repair; I-Car Prolevel 1: Painting and Refinishing

• **AUTOMOTIVE TECHNOLOGY**

The Automotive Technology program follows the Automotive Service Excellence (ASE) Certification curriculum. Students will learn to diagnose and repair the advanced computerized control systems on today's vehicles. The curriculum covers the following topics: Tire and wheel service, Alignment service, Brakes, Steering and suspension, Electronic systems, Engine repair and performance, Vehicle safety inspection, Heating and Air Conditioning, and Drivetrain service. Students will complete instruction in SP/2 training in mechanical safety, automotive pollution prevention, resume writing, interview skills, and ethics.

College Credit Offered: Ranken & State Technical College: College credit opportunities exist through credit for prior learning or

Certifications Offered: Automobile Service Excellence (ASE) Student Certification in Brakes, Electrical, Engine Performance, Suspension; S/P2 Safety Certification; Snap-On Certification; EPA 609

• **CARPENTRY** (Seniors Only)

The Carpentry curriculum is a thorough guide to basic skills training. Each unit is divided into sections covering vocabulary, additional resources, as well as suggested learning and assessment activities. Students must also complete and demonstrate proficiency in OSHA 10, CPR, First-Aid, and WorkKeys to obtain the certificate. Safety issues, professionalism, and green practices are reinforced throughout the course.

College Credit Offered: Ranken & State Technical College: College credit opportunities exist through credit for prior learning or credit by assessment

Apprenticeship Credit Offered: Carpenter's Joint Apprenticeship Training Program, Students who successfully complete the Career Connections Level 3 certifications will obtain two units of elective credit.

Certifications Offered: Occupational Safety and Health Administration (OSHA) – 10 hour Construction Industry Certification, CPR

• **CISCO NETWORKING ACADEMY**

This course is designed to help prepare the student to meet the certification requirements to become a Cisco Certified Network Administrator (CCNA). Students would learn how to design, build, and maintain computer networks. They will also create, manipulate, and copy router configurations through a combination of web-based e-learning and hands-on labs.

College Credit Offered: St. Louis Community College: Students may be eligible for college credit through the credit for prior learning process at STLCC • St. Charles Community College, 25 credits • Jefferson College, 5 credits • State Technical College of Missouri: Credit by exam for prior learning • Ranken Technical College: Credit by exam for prior learning

Certifications Offered: CompTIA A+ Certification, Cisco Certified Network Associate (CCNA) Certification, Cisco Student Certification

• CONSTRUCTION INNOVATIONS/ FIRST YEAR CONSTRUCTION ROTATION (COI)

This course encompasses the knowledge, skills, and abilities that students who are interested in working in the trades need to master, regardless of their trade-specific choice. These studies incorporate various construction-related topics within a flexible scheduling system for a student's first year. Students will select quarter-long courses in H.V.A.C., Carpentry, General Construction, Floor Laying, Welding, and Electrical Trades. The program competencies are a guide to basic construction skills training. The program covers safety issues, tool identification/usage, trade-specific vocabulary, construction math, and professionalism. Students are exposed to classroom academics, hands-on competencies in the building trades, and life skills.

Certifications Offered: Occupational Safety and Health Administration (OSHA) – 10 hour Construction Industry Certification

• CONSTRUCTION TRADES (Seniors Only)

This program provides an overview of various aspects of the construction field. Students will engage in individual projects as well as team projects to promote work ethics, communication skills and leadership abilities. Students will learn basic blueprint reading, plumbing, electrical, landscaping, carpentry, and general facilities maintenance, concrete flat work, residential carpentry framing, drywall installation, basic flooring skills, and various finishing procedures.

College Credit Offered: Ranken Technical College - college credit opportunities exist through credit for prior learning or credit by assessment

Certifications Offered: Occupational Safety and Health Administration (OSHA) – 10 hour Construction Industry Certification, CPR

• COSMETOLOGY

The Cosmetology curriculum is the same as those used by private cosmetology schools, following Missouri State Board of Cosmetology guidelines. Students will learn theory and gain practical experience with customers in a salon environment. Instruction is provided in hair analysis, treatment, coloring, cutting, and styling techniques. Facials, nail care, anatomy, physiology, and salon management are also covered. Students will take the state board's comprehensive licensure examination upon completing this curriculum and the additional practices, test review, and attainment of the required 1220 hours of instruction.

***Students MUST begin this program at the start of their junior year - no mid-year or senior enrollment is available.*

**** Attendance requirements must be maintained to ensure eligibility for the Missouri State Board of Certification exam.*

Certifications Offered: Cosmetology Missouri State Board of Certification; Barbicide Certification

• CULINARY ARTS

The Culinary Arts Program is accredited by the American Culinary Federation's Educational Foundation (ACF). Students are taught in a commercial kitchen to learn kitchen safety and sanitation, food preparation, service, and participate in catering events. The two-year program provides the students the opportunities to earn Certified Fundamentals Cook Certification, ServSafe Food Handler and ServSafe Managerial certifications from the National Restaurant Association. Students may also become CPR and first-aid certified, as well as earn articulated college credit. Opportunities are available for job shadowing, internships, and competitions such as SkillsUSA.

College Credit Offered: St. Louis Community College: Students may be eligible for college credit through the credit for prior learning process at STLCC • Sullivan University, 3 credits • Johnson and Wales University, 13.25 quarter hours • Robert Morris University, 9.25 quarter hours • Southwestern Illinois College, 8 credits

Certifications Offered: American Culinary Federation Certification • ServSafe Food Handler • ServSafe Food Manager • CPR • NOCTI-ACF (written and hands-on) • NOCTI-Prep Cook

• DENTAL SCIENCES

Students will learn dental examination, treatment, radiographic and laboratory procedures, patient scheduling, and record maintenance. Instruction is also provided in infection control and hazard management, chair-side assistance, emergency and preventive procedures, dental specialties, and office administration. Seniors become CPR certified and take the Missouri Basic Skills exam, and may participate in a clinical internship. Upon completion of the program, and two years of full-time work experience, students may take the National Board Exam to become a certified dental assistant.

College Credit Offered: Missouri Baptist University, Dual Credit, 8 credits

Certifications Offered: Dental Assisting National Board, Missouri Test of Basic Dental Assisting Skills; Permit to Assist the Administration of and Monitor Nitrous Oxide Analgesia; CPR Certification; OSHA-10 Healthcare Certification

• DESIGN & ENTREPRENEURSHIP

The Design and Entrepreneurship program will introduce students to a collaborative studio culture that will explore aspects of science, technology, engineering, art, and mathematics (STEAM) through lessons, research, and hands-on projects. Embedded in this curriculum are practical applications of math, science, English, and cultural proficiency. Makers will learn and apply principles and methods of entrepreneurship through completing the Network For Teaching Entrepreneurship (NFTE) lessons, activities and competitions guiding students to develop a business proposal that addresses a need in their community. This program will cultivate a “maker mentality” that values self-discipline as students pursue self-directed work. Students will learn and apply the principles of design thinking to both identify and solve problems working individually and as a team. Students will be immersed in the local

College Credit Offered: St. Louis Community College: Students may be eligible for college credit through the credit for prior learning process at STLCC

Certifications Offered: Occupational Safety and Health Administration (OSHA) – 10 hour Certification; Certiport Entrepreneurship and Small Business Certification; Autodesk (Autocad)

• EARLY CHILDHOOD EDUCATION

Students will study teaching in a preschool setting for 2-5-year-old children, rotating through curriculum development, lesson preparation, teaching, and supervisory duties. Instruction includes child development, guidance and discipline techniques, health and safety procedures, licensing, program evaluation, professionalism, and relating to families. The students also learn to provide an enriched, safe, and appropriate environment to meet the physical, social, emotional, and intellectual needs of small children. Seniors will have the opportunity to work on portfolio preparation for Child Development Association (CDA) or participate in a Work-based program (Internship, shadowing, etc.).

College Credit Offered: St. Louis Community College: Students may be eligible for college credit through the credit for prior learning process at STLCC

Certifications Offered: American Association of Family & Consumer Sciences (AAFCS) – Early Childhood Certification; CPR and First Aid Certifications; ServSafe Food Handler Certification; Child Development Associate Credential

• ELECTRICAL TRADES (Seniors Only)

The Electrical Trades curriculum allows students the opportunity to learn how to design, stage, and install commercial and residential electrical wiring for power and telecommunications systems. The skills taught may include blueprint interpretation, layout, design, and programming equipment. In addition, an emphasis will be placed on logical thinking.

College Credit Offered: American Trade School, up to \$3,000.00 in Tuition Reduction to be applied equally over the two academic years • Ranken Technical College and State Technical College - college credit opportunities exist through credit for prior learning or credit by assessment

Certifications Offered: Occupational Safety and Health Administration (OSHA) – 10 hour Construction Industry Certification; CPR and First Aid Certification

• ELECTRONICS & ROBOTICS ENGINEERING

This program will introduce students to the fundamentals of integrating electronic and mechanical components and control systems to create automated processes. The ERE program combines robotics, control systems, and electromechanical systems to fully immerse students into the growing field of Mechatronics. Students will cultivate their curiosity toward creative problem-solving, design, and mechanics to increase their knowledge of electronics, robotics, automated manufacturing, and computer-aided design.

College Credit Offered: St. Louis Community College: Students may be eligible for college credit through the credit for prior learning process at STLCC; State Technical College of Missouri: Credit by exam for prior learning

Certifications Offered: International Society of Certified Electronics Technicians (ISCET) – 4 certifications in DC Electronics, AC Electronics, Semiconductor, Digital Electronics

• FIREFIGHTING & EMERGENCY MEDICAL TECHNICIAN (EMT)

The Fire Fighting program is certified as a fire academy by the Missouri Department of Public Safety Division of Fire Safety. The fire fighting instruction includes basic life support, firefighting tactics and strategies, equipment familiarization, and usage. The program adheres to MO Division of Fire, American Heart Association, and FEMA curriculums. Students can earn AHA Heartsaver CPR, Missouri Firefighter 1 and 2, Hazardous Materials Awareness and Operations, and NIMS 100, 200, and 700. Students will learn rescue procedures, firefighting, and suppression techniques, including fire suppression experience in the St. Louis County Fire Academy fire tower. Qualified juniors have the option of moving into the EMT program.

College Credit Offered: St. Louis Community College: Students may be eligible for college credit through the credit for prior learning process at STLCC; Southwestern Illinois College: Up to 6 credits

Certifications Offered: Fire I and Fire II certifications • Emergency Medical Technician Basic certification through National Registry • National First Responder certification • Hazardous Materials Awareness and Operations certification • AHA Heartsaver CPR and First Aid • FEMA Incident Command System 100, 200, 700

• FLOOR LAYERS MIDDLE APPRENTICESHIP (Seniors Only)

This course will introduce students to flooring safety, tools, and installation methods. They will explore the many elements of job site preparation, as well as a variety of materials used within the flooring industry. Students will learn estimating, blueprint reading, covering removal, surface preparation, layouts, and installation techniques for carpeting, ceramic tile, hardwood, and resilient flooring. Students will enhance their skills in the four facets of flooring through independent and small group projects.

Apprenticeship Credit Offered: U.S. Department of Labor Journey Level Certificate: Students completing the program will be able to articulate this certificate into college credit with Ivy Tech Community College of Indiana. With an additional 15 hours/5 courses, the student will earn an Associates Degree in Applied Science.

Certifications Offered: Occupational Safety and Health Administration (OSHA) – 10 hour Construction Industry Certification, CPR

• GRAPHIC DESIGN

Students will learn to design for advertising, publishing, and display purposes. Instruction is provided in design, typography, production and camera-ready art, computer graphics, and personal portfolio preparation. One quarter is spent in printing technology cross-training to develop an understanding of the interaction required between design and production in the graphic communications industry. This program is Print ED Certified and nationally accredited by the Graphic Arts Education and Research Foundation.

College Credit Offered: St. Louis Community College: Students may be eligible for college credit through the credit for prior learning process at STLCC

Certifications Offered: Adobe Certifications in Illustrator, InDesign, and Photoshop

• HEALTH SCIENCES

Students in the Health Sciences program learn the skills necessary for a foundation in healthcare. Through a combination of classroom activities and actual on-the-job clinical experiences in nursing homes and hospitals, students learn human anatomy and physiology, medical terminology, disease processes, CPR, first aid, vital signs, human relations skills, and basic healthcare skills.

Program Requirements: Students *MUST* begin this program at the start of their junior year - no mid-year or senior enrollment is available. The program requires that students are up to date on all vaccinations and have a physical prior to entering the program. Students must meet all vaccination requirements of our clinical providers including the Covid-19 Vaccination, Varicella, and Hepatitis A. An SSN is required by the state to participate to take the CNA certification exam. Students must also receive a clean background check and drug screen prior to participation in clinicals.

College Credit Offered: St. Louis Community College: Students may be eligible for college credit through the credit for prior learning process at STLCC • Missouri Baptist University, Dual Credit, 8 credits • State Technical College: Students may be eligible for college credit through the credit for prior learning process at State Tech

Certifications Offered: Certified Nursing Assistant (CNA) – State of Missouri certification • Occupational Safety and Health Administration (OSHA) – 10 hour General Industry – Healthcare Certification • CPR

• HEATING, VENTILATION & AIR CONDITIONING (HVAC) (Seniors Only)

This program follows HVAC industry standards. Students will have the opportunity to take and earn the EPA 608 certification. Students will learn general shop safety, electrical high and low voltage, sheet metal fabrication, tubing and piping techniques, gas and electric heating systems, basic air conditioning and refrigeration cycle, service and installation practices, indoor air quality, and employability skills.

College Credit Offered: American Trade School: up to \$3,000.00 in Tuition Reduction to be applied equally over the two academic years • Ranken and State Technical College: Credit opportunities exist through credit for prior learning or credit by assessment

Certifications Offered: • Occupational Safety and Health Administration (OSHA) – 10 hour Construction Industry Certification • Environmental Protection Agency (EPA) – 608, Refrigeration Handling certification • CPR and First Aid Certification

• LAW ENFORCEMENT

Law Enforcement prepares students for careers in Law Enforcement. Topics for the course include; law enforcement history, crime awareness, causes of crime, criminal justice system, trial proceedings, corrections system, juvenile justice, arrest procedures, policies and ethics of law enforcement officers, procedures relating to traffic investigations and evidence collecting and handling, patrol tactics and investigative work, and basic computer skills. Students will conduct mock crime scene investigations, mock trials and identify the roles and responsibilities of the emergency tele-communicators.

College Credit Offered: St. Louis Community College: Students may be eligible for college credit through the credit for prior learning process at STLCC

Certifications Offered: International Academies of Emergency Dispatch • Emergency Tele-communicator Certification • CPR and First Aid • OSHA for Law Enforcement • FEMA Incident Command System 100, 200, 700

• PHARMACY SCIENCES

Pharmacy Sciences is a two-year course that will provide students with the knowledge and skills necessary to become a pharmacy technician. Units of study include: medications, federal requirements, patient safety and quality assurance, order entry and processing, knowledge and skills in the field of pharmacy, sterile and non-sterile compounding, and customer service.

Program Requirements: *Some vaccinations may be required to participate in field trips, shadowing appointments, and/or internships. These will vary depending on the requirements of the employers/institutions involved.*

College Credit Offered: Missouri Baptist University, Dual Credit, 8 credits

Certifications Offered: PassAssured • Missouri Pharmacy Technician License, OSHA 10 hour, CPR

• PRECISION MACHINING

Instruction includes precision measurement and inspection techniques, blueprint reading and drawing, quality control, and the operation of lathes, grinders, drill presses, power saws, and milling machines to manufacture metal parts to meet precise specifications. Students will also learn computer aided design (CAD), computer-aided manufacturing (CAM) technology, computer numerically controlled (CNC) precision machine operation, and programming in an apprenticeship setting.

College Credit Offered: St. Louis Community College: Students may be eligible for college credit through the credit for prior learning process at STLCC; Ranken & State Technical College: College credit opportunities exist through credit for prior learning or credit by assessment.

Certifications Offered: National Institute for Metalworking Skills (NIMS) – Measurement, Materials & Safety Certification, Job Planning, Benchwork & Layout Certification

• VETERINARY ASSISTANT

Students will learn animal handling, diagnostics, examination, and treatment procedures in a simulated clinical, boarding, and grooming facility. Instruction is provided in medical terminology, anatomy and physiology, nutrition and behavior, diseases and parasites, sterilization, handling and restraining, grooming and bathing, patient examination, and surgical and treatment procedures. This course is integrated with zoology, allowing students to earn a credit in science. Emphasis is placed on the physical care of animals. Office procedures, patient scheduling, and records maintenance are also covered.

College Credit Offered: Jefferson College, 2 credits

Certifications Offered: Certified Vet Assistant – State of Missouri Vet Med Association

• WEB & COMPUTER PROGRAMMING

The curriculum parallels computer programming courses taught at the college level. Students will learn program logic and design, analysis of program goals, and problem-solving skills. They will test programs and maintain a variety of operating and information systems. Coding assignments will be constructed in HTML, CSS, JavaScript, C#, and Python. Students can earn Microsoft Certifications for Introduction to Programming Using HTML and CSS (MTA 98-383), Software Development Fundamentals (MTA 98-361), and Introduction to Programming Using Python (MTA 98-381).

College Credit Offered: St. Louis Community College: Students may be eligible for college credit through the credit for prior learning process at STLCC; Ranken & State Technical College: College credit opportunities exist through credit for prior learning or credit by assessment.

Certifications Offered: HTML/CSS; Python; Javascript; C#; HTML/CSS Python

• WELDING

Students will learn a wide range of skills applicable to many metal fabrication industries, including aerospace, construction, manufacturing, repair, machining, and shop safety. Instruction will be provided in the following: blueprint reading, metal fabrication, cutting, layout and fit up, inspection and testing techniques, Gas Metal Arc Welding, Flux Cored Arc Welding, Shielded metal arc Welding, Gas Tungsten Arc Welding; Oxy-fuel, manual and CNC plasma arc, and carbon-arc cutting and gouging procedures are covered.

College Credit Offered: Ranken Technical College and State Technical College - college credit opportunities exist through credit for prior learning or credit by assessment

Certifications Offered: American Welding Society (AWS) – multiple entry-level welding certifications available • S/P2 Safety Certification • OSHA-10

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	

Juniors and seniors may enroll in the STL CAPS program on a half-day basis. It provides high school students the opportunity to fast-forward beyond college to test-drive their future in high-skill, high demand careers. Students may apply for acceptance to a morning or afternoon session that specializes in a specific career skill. On a daily basis, students have the unique opportunity to learn outside the walls of a traditional high school since each course is hosted by business partners in professional workplaces such as medical centers, research labs, small business co-working incubators, and higher education facilities. 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.

For more information, please contact your guidance counselor or go to <https://www.stlcaps.net>

• ENGINEERING & TECHNOLOGY DESIGN AND DEVELOPMENT

The St. Louis CAPS Engineering & Technology Design and Development course strand will immerse students into the current problem-solving approaches, project management systems, and technology platforms utilized by professionals in a dynamic, business-like setting. Students will develop their skills and apply their learning through scalable projects that require students to work in multidisciplinary collaborative teams to develop solutions to complex problems and communicate results with each other and, when applicable, business & industry partners. The course is designed for students who are interested in careers in engineering, robotics, manufacturing fundamentals, entrepreneurship, innovation, software development (coding), information technology, and cybersecurity. Students will have the opportunity to collaborate with students from our partner high schools, build a network of professional mentors, gain invaluable experiences through site visits to local businesses, and develop a professional portfolio that illustrates their creative talent.

***Dual Credit is offered in this course**

• GLOBAL BUSINESS & ENTREPRENEURSHIP

The St. Louis CAPS Global Business and Entrepreneurship course provides an entrepreneurial approach to education that is designed to give high school students hands-on, real world experience in professional business settings. Students are fully immersed in a profession-based learning approach, and are able to gain experience working with local businesses, assisting and learning through meaningful projects, and networking with industry leaders.

Students have the ability to explore a variety of fields, including Human Resources, Marketing, Finance, Sales, Entrepreneurship, Public Relations, Operations/Management, Project Management, Event Planning, Nonprofit/Philanthropy, Supply Chain/Logistics, Legal, Customer Service, and Procurement. In addition to being a part of real businesses, students are also paired with mentors out in the career field that aligns with their personal interests. In addition to important profession-based learning skills the students acquire, they also gain 21st century skills such as problem solving, time and project management skills, business ethics, and self-discipline.

***Dual Credit is offered in this course**

• MEDICINE, HEALTH CARE & BIOSCIENCE

The St. Louis CAPS Medicine, Health Care and Bioscience course provides access to real world experiences in the dynamic field of health care. Alongside some of the region's most experienced medical professionals, students will advance their understanding of human physiology, disease process, medical terminology, patient care, professionalism, ethics, and explore many career opportunities.

Students will expand upon principles of human physiology through in-depth case studies of body systems, develop fluency in basic medical language, formulate treatment plans for patients, practice physical assessment skills, and perform patient care and life-saving procedures within a high-fidelity simulation lab. These activities are designed to enhance student analysis and problem solving skills. Students self-select a capstone project for the semester that involves connecting with mentors in their area of interest to develop a project that is real, relevant, and of service to the community. Representing a wide spectrum of health care careers, expert guest speakers provide advanced instruction in the medical specialties of anesthesia, cardiology, dermatology, obstetrics, oncology, orthopedics, nephrology, internal medicine, family practice, general surgery, and much more.

Students learn directly from medical professionals while participating in site visits to a variety of health care facilities that expose students to medical professions, medical research, and innovative advancements. Students have the opportunity to complete the PLTW capstone course requirements as part of the CAPS experience. Students will also have the opportunity to complete an internship with a business and industry partner.

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



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, yet allows students to participate in self-paced, flexible modes of study. 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			
Physics	9	Full Year	None
Accelerated Physics	9	Full Year	Algebra I
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	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

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: 6 books, homework daily, average assignment: 20 pages

Required Readings: Students will read 19th century texts, 20th century texts, 21st century texts, one drama, and one nonfiction book.

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 quarter; second semester students will write college essays as well as their independent inquiry projects.

Junior Literature & Composition builds on ninth and tenth grade coursework by centering on inquiry and synthesis. Students will build understanding 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 independent inquiry projects whereby students form a question, conduct research, and create a multimedia presentation for a public audience. Throughout the year students will practice for the ACT and work toward composing college/scholarship essays.

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)

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, Tarfiah 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.

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

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.

Physics (SC100VA/SC100VB)

1 Science Credit

Grade: 9

NCAA Approved Course

Year

Prerequisite: None

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

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.

It is highly recommended that students taking Algebra in ninth grade enroll in Physics. Students in Geometry or higher should enroll in Physics if they feel they are not ready for the pace and mathematical requirements of Accelerated Physics.

Accelerated Physics (SC101VA/SC101VB)

1 Science Credit

Grade: 9

NCAA Approved Course

Year

Prerequisite: Algebra I

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

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.

It is highly recommended that students taking Geometry Honors or higher enroll in Accelerated Physics. Students in Geometry should enroll in Accelerated Physics if they are comfortable with the pace and mathematical requirements. Students in Algebra should enroll in Physics.

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.

PeLA VIRTUAL COURSES

Chemistry Honors (SC290VA/SC290VB)

1 Science Credit
Year

Grade: 10

NCAA Approved Course

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
Year

Grade: 11, 12

NCAA Approved Course

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
Year

Grade: 11, 12

NCAA Approved Course

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
Year

Grade: 9

NCAA Approved Course

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
Year

Grade 10

NCAA Approved Course

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.

PeLA VIRTUAL COURSES

American Government (SS307VA/SS307VB)

Grade 11, 12

NCAA Approved Course

1 Social Studies Credit
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)

Grade 11, 12

NCAA Approved Course

1 Social Studies Credit
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.

Health & Wellness (HE100V)

Grade: 9, 10, 11, 12

Prerequisite: None

.5 Health Credit
Semester

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

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.

Lifetime Fitness (PE101V)

Grade: 9, 10, 11, 12

.5 Physical Education or Elective Credit
Semester

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

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.

Personal Finance (PF200V)

Grade: 10, 11, 12

Prerequisite: None

.5 Personal Finance Credit
Semester

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)

Grade: 9, 10, 11, 12

Prerequisite: None

.5 Fine Art or Elective Credit
Semester

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 chosen time periods and movements. Art skills will be developed through a variety of assignments.

PeLA VIRTUAL COURSES

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.

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

ACT Preparation is a course designed to give students an opportunity to prepare to take the ACT (American College Test). Students will spend half the course on the verbal (English, Reading, and Writing) sections and the other half on the Mathematics and Science Reasoning sections of the test. This class will focus on learning and practicing strategies as well as reviewing content to improve scores. It will be offered for .5 elective credit and will be graded on a pass/fail basis.

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

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:** The calculation of the credit requirement described in a-1 and a-2 above for all enrolled students at the 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.)
- 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.

- 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,
 3. All classes 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.
- 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 high school administration confirms after a full academic review that the student is further enrolled in courses taken outside of the school which bring the student up to the academic credit requirements outlined in By-Law 2.3.2 (80%). Each local school will determine its own oversight, standards, and criteria for approval of such outside courses/credits, as well as the procedures to determine success/credit confirmation for academic eligibility for the current and following semester. It is not necessary that such confirmed credits be placed on the high school transcript, but may be listed, at the school's discretion.
 3. 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.
- d. **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. Electives taken in any of the four **core content areas** (language arts, mathematics, science, and social studies) may be counted toward this requirement of academic eligibility.
- e. Online courses may not count as summer school credit, unless they meet the requirements of By-Law 2.3.4.a (taken at the high school) or 2.3.4.b (placed on the transcript), and all online courses must be completed on or before July 31.
- f. No more than one credit earned in summer school shall count toward maintaining academic eligibility.

MSHSAA Academic Requirements for High School Students

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.

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.

2.3.13 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.

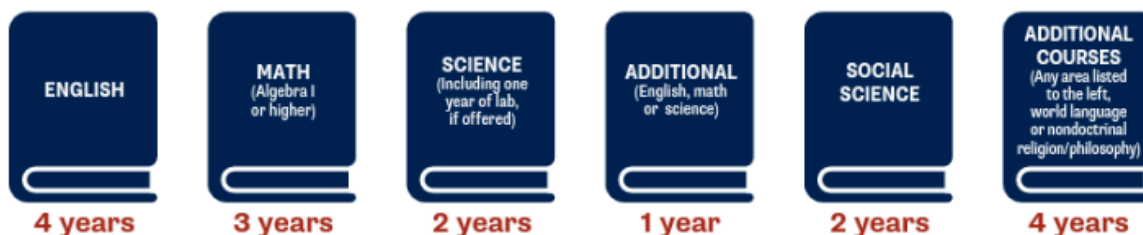
ACADEMIC REQUIREMENTS

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

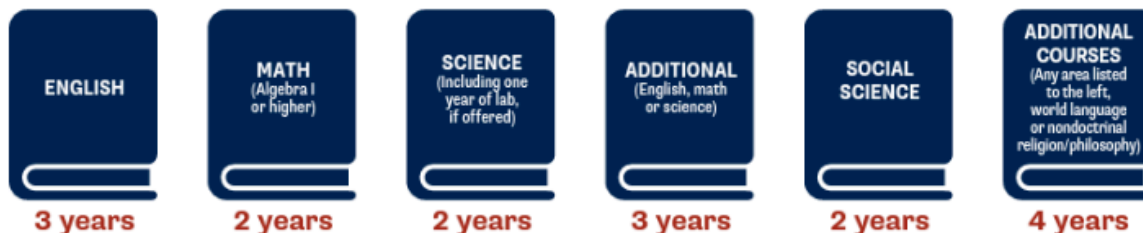
Earn 16 NCAA-approved core-course credits in the following areas:



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:



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

GRADE 9 REGISTER	<ul style="list-style-type: none"> » Start planning now! Register for a free Profile Page account at eligibilitycenter.org for information on NCAA initial-eligibility requirements. » Find your high school's list of NCAA-approved core courses at eligibilitycenter.org/courselist to ensure you are taking the right courses, and earn the best grades possible!
GRADE 10 PLAN	<ul style="list-style-type: none"> » If you are being actively recruited by an NCAA school and have a Profile Page account, transition it to the right Certification account. » Monitor the task list in your NCAA Eligibility Center account for next steps. » At the end of the school year, ask your high school counselor from each school you have attended to upload an official transcript to your Eligibility Center account. » If you fall behind academically, ask your high school counselor for help finding approved courses you can take.
GRADE 11 STUDY	<ul style="list-style-type: none"> » Ensure your sports participation information is correct in your Eligibility Center account. » Check with your high school counselor to make sure you are on track to complete the required number of NCAA-approved core courses and graduate on time with your class. » Take the SAT/ACT and submit your scores to the Eligibility Center using code 9999.* » At the end of the school year, ask your high school counselor from each school you have attended to upload an official transcript to your Eligibility Center account.
GRADE 12 GRADUATE	<ul style="list-style-type: none"> » Request your final amateurism certification beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account at eligibilitycenter.org. » Take the SAT/ACT again, if necessary, and submit your scores to the Eligibility Center using code 9999.* » Complete your final NCAA-approved core courses as you prepare for graduation. » After you graduate, ask your high school counselor to upload your final official transcript with proof of graduation to your Eligibility Center account.

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

How to plan your high school courses to meet the 16 core-course requirement: 4 x 4 = 16

9 TH GRADE	10 TH GRADE	11 TH GRADE	12 TH GRADE
(1) English (1) Math (1) Science (1) Social Science and/or additional 4 CORE COURSES	(1) English (1) Math (1) Science (1) Social Science and/or additional 4 CORE COURSES	(1) English (1) Math (1) Science (1) Social Science and/or additional 4 CORE COURSES	(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

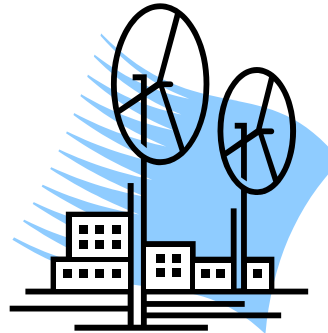
SEARCH FAQ:
ncaa.org/studentfaq

[@ncaaec](https://twitter.com/ncaaec)
[@playcollegesports](https://www.instagram.com/playcollegesports)
[@ncaaec](https://www.facebook.com/ncaaec)

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	Film & Video Editor
Advertising Executive	Fine Artist (including painter, sculptor, & illustrator)
Animator	Gallery/Art Curator
Art Directors	Graphic Designer
Audio & Video Equipment Technician	Interior Designer
Broadcast News Reporter	Journalist
Camera Operators - Television, Video & Film	Musician/Singer
Choreographers	Photographer
Computer Programmer	Public Relations Specialist
Copywriter/Editor	Set/Stage Designers
Dancer	Writers/Authors
Directors/Producers	
Electronic Home Entertainment Equipment Installers	
Fashion Designer	



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

STL CAPS: Technology Solutions & Logistics

Business Management & Administration

Related Careers:

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



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

STL CAPS: Teaching Careers in 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

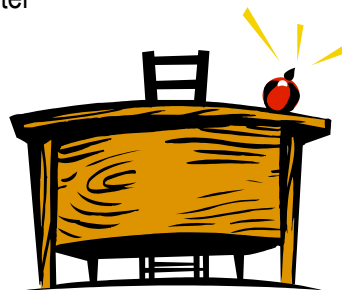
STL CAPS: Global Business & Entrepreneurship

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

STL CAPS: Teaching Careers in Education

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

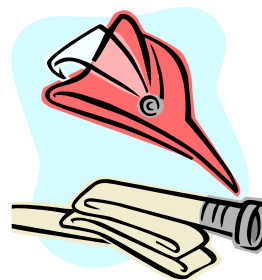
SOUTH TECH: CISCO Networking Academy, Graphic Design, Information Technology, Electrical Trades, Electronics & Robotics Engineering, Precision Machining, Web & Computer Programming

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

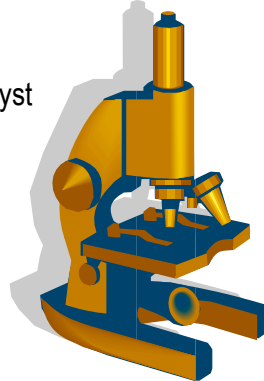
STL CAPS: Global Business & Entrepreneurship

Science, Technology, Engineering & Mathematics

Related Careers:

Actuary
Aerospace Engineer
Archeologist
Astronomer
Biochemist
Biomedical Engineer
Computer Engineer
Civil Engineer
Doctor
Economist
Electrical Engineer
Environmental Engineer
Geologist

Industrial Engineer
Mathematician
Marine Biologist
Microbiologist
Physicist
Research Analyst
Statistician
Zoologist



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
Air Traffic Controller
Aircraft Cargo Supervisor
Aircraft Mechanic
Auto mechanic
Aviation Inspector
Crane Operator
Distribution Manager
Flight Attendant
Laborer
Logistics Coordinator
Pilot
Safety Specialist
Ship Captain

Shipping & Receiving Clerk
Traffic Technician
Train Operator
Truck Driver



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