



KIRKWOOD

2024 - 2025



**COURSE
DESCRIPTION BOOK**

KIRKWOOD HIGH SCHOOL - 800 DOUGHERTY FERRY ROAD - 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
2024 - 2025**

**KIRKWOOD HIGH SCHOOL
801 W. ESSEX
KIRKWOOD, MISSOURI 63122**

**Dr. Seth Harrell, Principal
Dr. Josh Flores, Assistant Principal
Dr. Courtney Ford, Assistant Principal
Dr. Mike Gavin, Assistant Principal
Stephanie Owens, Assistant Principal
Dr. Shiree Yeggins, Assistant Principal**

**Corey Nessler, Athletic Director
Brad Sutterer, Assistant Athletic Director**

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

NEW Course Offering:

- **MATH: Statistical Algebra (page 29)** is a new year-long Math offering that comes between Geometry and Algebra II.
- **ACT Prep (page 85)** a course designed to give students an opportunity to prepare to take the ACT.

Course Changes:

- **PERSONAL FINANCE (page 74)** is now only offered to 10th - 12th graders.
- **FACS: All the FACS (page 69)** course is recommended for 9th and 10th graders.
- **WORLD LANGUAGES (page 89-95)** Each world language will now be available for dual credit from Missouri State University at the III, IV and AP levels.

Courses on Rotation:

- **ENGINEERING (page 66) - Digital Electronics (DE)** will available for 2024-2025.
 - (Computer Integrated Manufacturing - Robotics (CIM) won't be available until 2025-2026.)
- **SOCIAL STUDIES (page 43) - AP Human Geography** will available for 2024-2025.
 - (AP World History: Modern won't be available until 2025-2026.)

Virtual Course Offerings:

- **PIONEER eLEARNING ACADEMY (PeLA) (page 110)** - Kirkwood High School's virtual course offerings taught by Kirkwood teachers. These classes were created based on KHS curriculum and are asynchronous through Schoology. If students are interested in taking an online course they are encouraged to select the PeLA course that they would like to take when choosing their courses for the 2024-2025 school year.
- 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://mocup.mo.gov/>.

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.

Early College Program: (page 109)

- The Early College Program is a dual enrollment program, in which students take classes on a St. Louis Community College campus that satisfy high school graduation requirements and college credit accumulation.

A+ Program: (page 17)

- Information and requirements about the A+ program has been added to the course book. Check out our website for more info and required forms at <https://www.kirkwoodschoools.org/Aplus>.

A NOTE TO PARENTS

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

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

| | |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Freshman Team: | Dr. Josh Flores, Assistant Principal Ms. Robin Kennedy, Counselor |
| Sophomore Team: | Dr. Mike Gavin, Assistant Principal Mr. Taylor Sebestik, Counselor |
| Junior Team: | Dr. Courtney Ford, Assistant Principal Mr. Joe Fisch, Counselor |
| Senior Team: | Ms. Stephanie Owens, Assistant Principal Ms. Rachel Cosic, 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 2024-2025 school year in February. Students who will be new to the Kirkwood School District should call the high school counseling department at (314) 213-6118 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 | .5 credit |
| Personal Finance | .5 credit |
| Physical Education | 1 credit |
| Health | .5 credit |
| Electives | 7.5 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 American 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 the North Central Association of Schools. 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, STLCC) 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 2024 expected exam rate is \$98 | 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 "My School Bucks."

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 |
| 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 |
| Business Communications | COM115 Fundamental Public Speaking | 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 | TBD | |
| Chinese IV Honors | TBD | |
| Computer Applications I & Computer Applications II | ITC200 Critical and Creative Thinking Using Information Technology | 3 |
| Drama I | THE101 Introduction to Theatre and Drama Arts | 3 |
| Economics | ECO165 Principles of Microeconomics | 3 |
| French III Honors | TBD | |
| French IV Honors | TBD | |
| AP French Language & Culture | TBD | |
| German III Honors | TBD | |
| German IV Honors | TBD | |
| AP German Language & Culture | TBD | |
| Intro to Fashion & Interior Design | MFD103 Principles & Elements of Design | 3 |
| Music Theory | MUS103 Theory & Musicianship I | 3 |
| Painting | ART100 2D Design | 3 |
| Personal Finance | FIN150 Personal Finance | 3 |

For additional information visit the [Dual Credit spreadsheet](#) on our website.

COLLEGE CREDIT PROGRAMS

Missouri State University Dual Credit Courses (continued)

| KIRKWOOD COURSE TITLE | MISSOURI STATE COURSE TITLE | CREDIT HRS. |
|--------------------------------------------------------------------------|-----------------------------------------|-------------|
| Public Speaking | COM115 Fundamental Public Speaking | 3 |
| Senior Lit & Comp I (Philosophy & Culture) (Semester 1) | ENG200 Great Books and Instant Classics | 3 |
| Senior Lit & Comp I (Philosophy & Culture) (Semester 2) | ENG289 Literature Culture and Conflict | 3 |
| Senior Lit & Comp II (Monsters & Madness) (Semester 1) | ENG200 Great Books and Instant Classics | 3 |
| Senior Lit & Comp II (Monsters & Madness) (Semester 2) | ENG289 Literature Culture and Conflict | 3 |
| Senior Lit & Comp III (Creative Writing & Contemporary Lit) (Semester 1) | ENG200 Great Books and Instant Classics | 3 |
| Senior Lit & Comp III (Creative Writing & Contemporary Lit) (Semester 2) | ENG289 Literature Culture and Conflict | 3 |
| Spanish III Honors | TBD | |
| Spanish IV Honors | TBD | |
| AP Spanish Language & Culture | TBD | |
| Startup! & Entrepreneurship | BUS135 Introduction to Business | 3 |

Missouri University of Science & Technology

| KIRKWOOD COURSE TITLE | MISSOURI S&T COURSE TITLE | CREDIT HRS. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------|
| Introduction to Engineering Design* | | |
| Principles of Engineering* | | |
| Aerospace Engineering* | | |
| Civil Engineering & Architecture* | | |
| Computer Integrated Manufacturing* | MECH ENG 1720: Introduction to Engineering Design | 3 |
| Digital Electronics* | | |
| Engineering Design and Development* | | |
| Environmental Sustainability* | | |
| <p><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></p> | | |
| AP Computer Science Principles | IS&T 1312: Computer Programming Exposure | 3 |

For additional information visit the [Dual Credit spreadsheet](#) on our website.

COLLEGE CREDIT PROGRAMS

St. Louis Community College (STLCC) Dual Credit Courses

| KIRKWOOD COURSE TITLE | UMSL COURSE TITLE | CREDIT HRS. |
|-----------------------------------------|-----------------------------------------|-------------|
| Music Production and the Recording Arts | MUS150 Fundamentals of Music Technology | 2 |

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 |

For additional information visit the [Dual Credit spreadsheet](#) on our website.

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) |
|--------------------------------|-----------------|

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 142).**
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 142).**

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 142).

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

- [KHS A+ Schools Agreement Form](#)
- [A+ Tutoring Log Sheet](#)
- [Learn more about the A+ Program](#)

All of this information and additional links are found at kirkwoodschoools.org/Aplus.

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; Teacher Approval |
| 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; Teacher Approval |
| 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) Teacher Approval |
| 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 123)

(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, Approval from Sophomore Literature & Composition teacher

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 (Nezame)

***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) Approval from English 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 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.

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 OR 8 th grade teacher approval |
| MA190A/B | Geometry Honors | 9-10 | Full Year | Algebra I (recommended A) OR 8 th grade teacher approval |
| 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 |
| 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 123)

(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.

Algebra I (MA102A/MA102B)

1 Math Credit

Grade: 9, 10, 11, 12

NCAA Approved Course

Year

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

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

Geometry (MA103A/MA103B)

1 Math Credit

Grade: 9, 10, 11, 12

NCAA Approved Course

Year

Prerequisite: Placement in Geometry by the student's 8th grade mathematics teacher and counselor **or** Full credit earned in Algebra

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

Geometry Honors (MA190A/MA190B)

1 Math Credit

Grade: 9, 10

NCAA Approved Course

Year

Prerequisite: Placement in Geometry Honors by the student's 8th grade mathematics teacher and counselor **or** Full credit earned in Algebra I; students who earned less than an A in Algebra I must have approval of KHS Algebra I teacher.

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)

1 Math Credit

Grade: 10, 11, 12

NCAA Approved Course

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.

MATHEMATICS

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 who earned less than a C in Algebra I must have approval from KHS Geometry 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.

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

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)

Grade: 10, 11, 12

NCAA Approved Course

1 Math Credit
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
Year

Grade: 10, 11, 12

NCAA Approved Course

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
Year

Grade: 11, 12

NCAA Approved Course

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
Year

Grade: 10, 11, 12

NCAA Approved Course

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
Year

Grade: 10, 11, 12

NCAA Approved Course

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
Year

Grade: 11, 12

NCAA Approved Course

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.**

Dual credit availability is subject to change.

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 123)

(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 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 (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 in-depth 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 matter and energy within the living world. Through laboratory experiences and practical application, students will investigate concepts of modern biology, particularly in the areas of ecology, biochemistry, cell biology, energetics, genetics, DNA, and evolution.

Biology Honors (SC390A/SC390B)

1 Science Credit

Grade: 11, 12

NCAA Approved Course

Year

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

Biology Honors is an extensive and rigorous study of matter and energy within the living world. It is designed for students with an advanced level of interest and motivation. Through laboratory experiences and practical application, students will more deeply investigate concepts of modern biology (ecology, biochemistry, cell biology, energetics, genetics, DNA, and evolution), with a greater emphasis on biochemistry, molecular biology and genetics. Principles of organic chemistry and energy are freely integrated within the course; students should have a good grounding in these topics.

SCIENCE: ELECTIVE CREDIT

Anatomy & Physiology I (SC300C)

.5 Elective Credit

Grade: 11, 12

NCAA Approved Course

Fall Semester Only

Prerequisite: One credit earned in Biology

Anatomy & Physiology I is the study of the structure and function of the human body. Through lab experiences (including a dissection of a fetal pig and various mammalian organs) and practical application, students will investigate comparative anatomy, the organization of the human body, and the digestive, excretory, integumentary, skeletal and muscular systems. Diseases will be explored in all systems with an emphasis on cause, treatment, and prevention.

Anatomy & Physiology II (SC301C)

.5 Elective Credit

Grade: 11, 12

NCAA Approved Course

Spring Semester Only

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

Anatomy & Physiology II is the continuing study of the structure and function of the human body. Through lab experiences and practical application, students will investigate the nervous, endocrine, cardiovascular, respiratory, immune and reproductive systems. Homeostasis will continue to be explored with an emphasis on the effects of sleep, disease, and biotechnology on its maintenance.

Space and Planetary Science (SC304A/SC304B)

1 Elective Credit

Grade: 11,12

NCAA Approved Course

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.

AP Biology (SC500A/SC500B)

1 Elective Credit

Grade: 11, 12

NCAA Approved Course

Year

Prerequisite:

As a second biology course: One credit earned in Biology and Chemistry (recommended B or better)

As a first Biology course: One credit earned in Physics and Honors Chemistry (recommended grade of A)

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.**

SCIENCE: ELECTIVE CREDIT

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. In addition, electricity topics covered include electrostatics and DC circuits. Students will focus on experimentation to develop conceptual understanding of physics principles. Throughout the course students will integrate their math skills (Algebra and basic Trigonometry) to design and analyze investigations and solve multistep problems.

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

SOCIAL STUDIES

SOCIAL STUDIES COURSES

| COURSE NUMBER | COURSE NAME | GRADE LEVEL | SEMESTER OR FULL YEAR | PREREQUISITE |
|-------------------------|-----------------------------------------------------------------------------------------|-------------|-----------------------|--------------------------------------------------------------------------------|
| SS105A/B | World History - Geog 1450-Present† | 9 | Full Year | None |
| SS203A/B | US History† | 10 | Full Year | World History |
| SS501A/B | AP US History | 10-12 | Full Year | Sophomores: Grade of A in World History-Geog 1450-Present AND Teacher Approval |
| SS307A/B | American Government through Comparative Perspectives† | 11-12 | Full Year | US History |
| SS502A/B | AP US Government & Politics† | 11-12 | Full Year | 3.0 GPA AND Teacher Approval |
| 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 | The Black Experience in America | 11-12 | Semester | None |
| SS503A/B | AP Psychology | 11-12 | Full Year | 3.0 GPA AND Teacher Approval |
| SS500A/B | AP World History: Modern (NOT being offered 2024-2025; WILL BE offered 2025-2026) | 11-12 | Full Year | 3.0 GPA AND Teacher Approval |
| SS504A/B | AP Human Geography* | 11-12 | Full Year | 3.0 GPA AND Teacher Approval |

*College Credit Available (see page 10)

†Also available as a Virtual KHS PeLA course (see page 123)

(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-Geography 1450-Present
- one credit in US History
- one credit in Government

Students must pass the **Missouri Constitution Test**, a **U.S. History Constitution Test**, and a **U.S. Citizenship Test** before graduation.

SOCIAL STUDIES

World History-Geography 1450 - Present (SS105A/SS105B)

1 Social Studies Credit

Grade: 9

NCAA Approved Course

Year

Prerequisite: None

In this course, students will study world history through global encounters from 1450-present. They will examine human interaction as groups of people struggle to understand and adapt to rapidly changing conditions. Topics such as exploration, trade, revolutions, industrialization, imperialism, conflict, and globalization will be explored in the context of a world that is continuing to connect and interact.

United States History (SS203A/SS203B)

1 Social Studies Credit

Grade 10

NCAA Approved Course

Year

Prerequisite: Full credit earned in World History-Geography 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 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-Geog 1450-Present as well as approval of a Social Studies teacher.

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 through Comparative Perspectives (SS307A/SS307B)

1 Social Studies Credit

Grade 11, 12

NCAA Approved Course

Year

Prerequisite: Full credit earned in US History

American Government through Comparative Perspectives introduces students to the origins, concepts, institutions, interactions and policies of government in the United States, has students analyze the role the United States in the global community, and compares the government of the United States to systems of government in other countries. 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 also be challenged to develop a civic disposition and engage in civil discourse. As a component of this course, students will be prepared for and take the state mandated American 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 and approval of a Social Studies 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.

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 core principles that guide economist's decisions in varying economies. In completion, students will establish a problem-solving strategy for addressing economic decisions within society.

***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.

The Black Experience in America (SS306C) **.5 Elective Credit**
Grade 11, 12 *NCAA Approved Course*
Prerequisite: None **Semester**

Students will examine the Black Experience in America 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 and approval of a Social Studies teacher **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.

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 and approval of a Social Studies teacher.

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 and approval of a Social Studies teacher.

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)

FINE ARTS

Courses listed in the following departments qualify as Fine Arts:

- **Art Department**.....page 47

- **Performing Arts Department**
 - Theatre.....page 52
 - Music.....page 53

FINE ART: 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 123)

(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> |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|

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.**

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 |
| 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 | 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 |
| 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.

Advanced Drama (FA204C)

Grade: 10, 11, 12

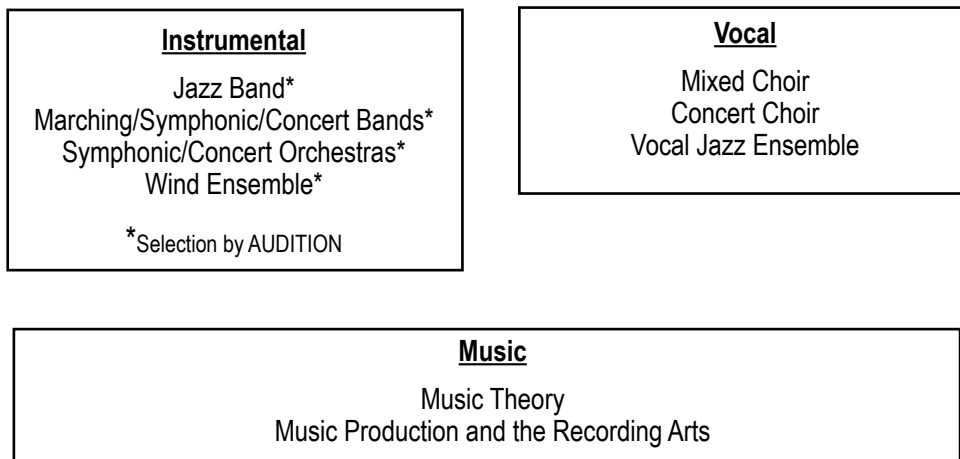
Prerequisite: 2 drama courses or Teacher Approval

**.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.

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.

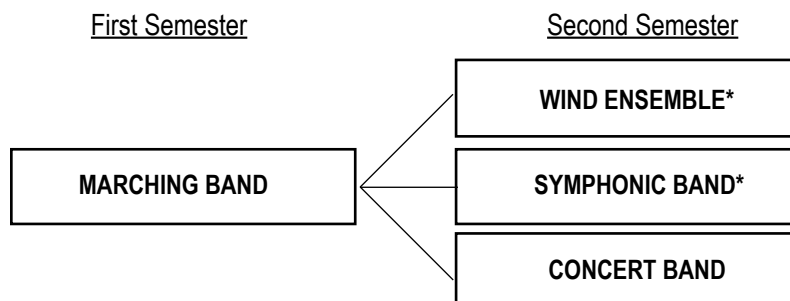


BAND

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 CONCERT 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 2-4 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.

ORCHESTRA

Concert 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 string orchestra literature. Music of all historical periods will be studied and performed. Fundamentals in scales, rhythm, intonation, shifting positions, ensemble playing and sight-reading will be learned along with performance techniques and musical style.

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 female and male 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 enrolled in this course must be aware of the requirements to attend and participate in ALL graded extra rehearsals and public performances.**

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 enrolled in this course 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 enrolled in this course 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.

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

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 59
- **Engineering & Technology Department**.....page 63
- **Family & Consumer Science Department**.....page 68

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! |
| 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 123)

(Subject to Change)

GRADUATION REQUIREMENT: All students are required to pass a minimum of **one-half 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> |
| <p>Personal Finance Personal Finance educates students on financial decisions they will encounter throughout life. This course is required for high school graduation.</p> | | | |

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) AND teacher approval

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.**

PRACTICAL ARTS: ENGINEERING & TECHNOLOGY COURSES

| COURSE NUMBER | COURSE NAME | GRADE LEVEL | SEMESTER OR FULL YEAR | PREREQUISITE |
|---------------|--------------------------------------------------------------------------------------|-------------|-----------------------|---------------------------------------------------------------------------------------|
| PA107A/B | Precision Machining Technology | 9-12 | Full Year | None |
| PA210A/B | Woodworking and Carpentry | 9-12 | Full Year | None |
| 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)* (NOT being offered 2023-2024) | 10-12 | Full Year | None |
| PA207A/B | Digital Electronics* | 10-12 | Full Year | None |
| PA501A/B | AP Computer Science Principles* | 10-12 | Full Year | Algebra I , SmashCode I and SmashCode II |
| PA209A/B | Environmental Sustainability | 10-12 | Full Year | Biology |
| PA306A/B | Engineering Design and Development (Capstone)* | 10-12 | Full Year | Introduction to Engineering Design AND 1 other Engineering course OR Teacher approval |

***College Credit Available**

(Subject to Change)

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

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

PRACTICAL ARTS: ENGINEERING COURSES

Precision Machining Technology (PA107A/PA107B)

Grade: 9, 10, 11, 12

Prerequisite: None

1 Practical Art or Elective Credit

Year

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, welding equipment, and CNC plasma cutter. Students will master print reading, measurement and layout, and most importantly safety. Students will study physical characteristics of common metal types and explore how these properties affect the design of a project. Machine proficiency will be demonstrated through the design and construction of numerous projects including a metal tool box, a 3-D welded object, and a project of the student's own design. **All projects are the student's to keep. There will be a set fee to cover the costs of the predefined projects and students will calculate a bill of materials for their final project.**

Woodworking & Carpentry (PA210A/PA210B)

Grade: 9, 10, 11, 12

Prerequisite: None

1 Practical Art or Elective Credit

Year

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 picture frame, a secret box, 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 and power tools to construct their projects, including the table saw, jointer, and routers. **Students are expected to pay for the wood that they use to construct the projects that they will take home.**

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).

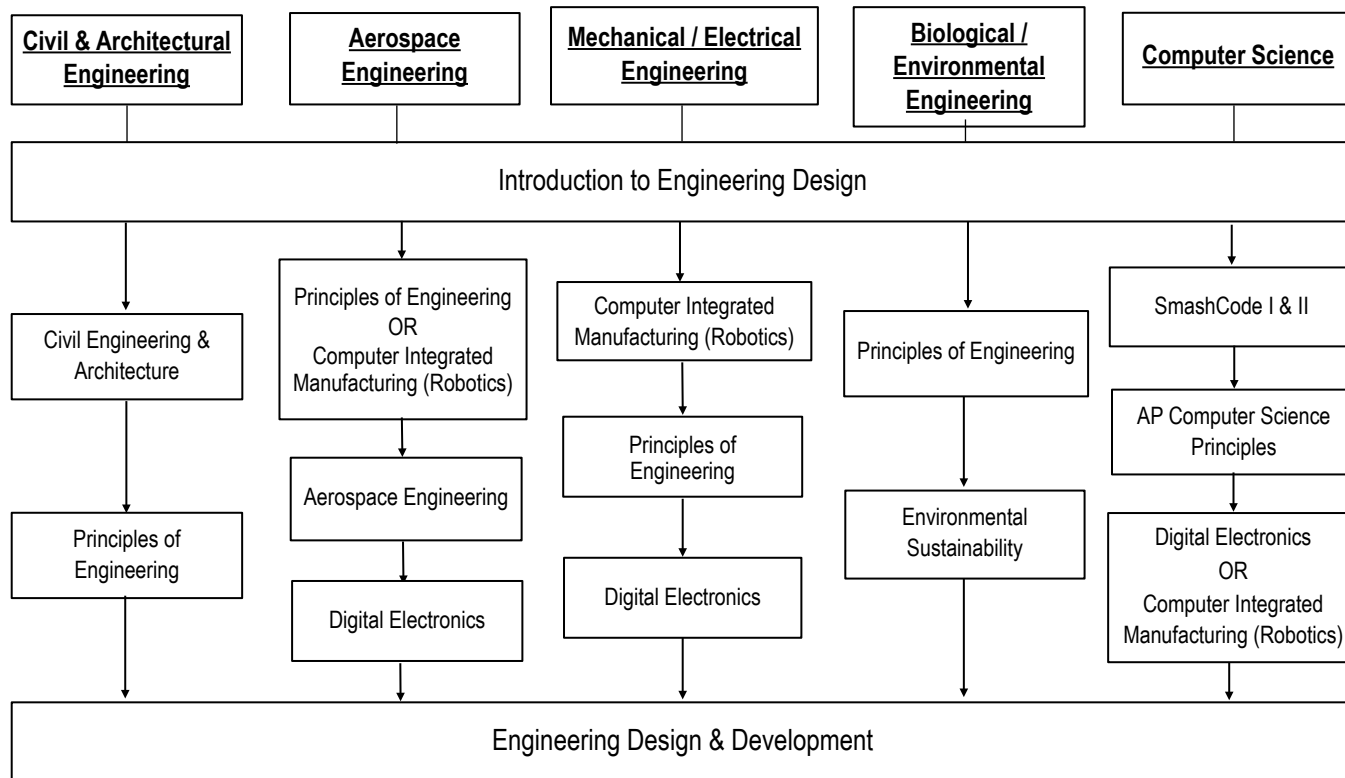
What is "Project Lead The Way" you ask?

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

Grade: 9, 10, 11, 12

Year

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

Grade: 10, 11, 12

Year

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

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

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.**

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 |

***College Credit Available**

(Subject to Change)

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

PRACTICAL ARTS: FAMILY & CONSUMER SCIENCE

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

All the FACS (PA120C)

Grade: 9, 10

Prerequisite: None

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

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)

Grade: 9, 10, 11, 12

Prerequisite: None

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

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)

Grade: 9, 10, 11, 12

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

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

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)

Grade: 10, 11, 12

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

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

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

Art and Science of Foods I (PA112C)

Grade: 9, 10, 11, 12

Prerequisite: None

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

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!

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)

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

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

PRACTICAL ARTS: FAMILY & CONSUMER SCIENCE

Art and Science of Foods II (PA113C)

.5 Practical Art or Elective Credit
Semester

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!

Intro to Fashion & Interior Design (PA114C)

.5 Practical Art or Elective Credit
Semester

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.**

Advanced Fashion & Interior Design (PA117C)

.5 Practical Art or Elective Credit
Semester

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!

Child Development I: Pathways to Teaching (PA203C)

.5 Practical Art or Elective Credit
Semester

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 pre-school 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 classwork as well as read aloud to children. College credit is also available for this course.

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

Child Development II: Pathways to Teaching (PA307C)

.5 Practical Art or Elective Credit
Semester

Grade: 11, 12

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.

***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

.5 Practical Art or Elective Credit
Semester

Grade: 11, 12

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.

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 123)

(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.**

PHYSICAL EDUCATION & HEALTH

PHYSICAL EDUCATION COURSES

| 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 123)

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 COURSES

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 123)

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 85

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

- **Journalism Department**.....page 86
- **World Language Department**.....page 89

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 **7.5 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.

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 | Application process for 10-12th graders 9th graders will be KHTV apprentices so application process is not necessary |
| 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 123)

GRADUATION REQUIREMENT: All students are required to pass a minimum of **7.5 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-half credit** of Practical Arts to graduate.

ELECTIVES: JOURNALISM

Journalism I (EL102C)

Grade: 9, 10, 11, 12

Prerequisite: None

NCAA Approved Course

.5 Elective Credit
Semester

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 *The Kirkwood Call*, the school newspaper, or *The Kirkwood Pioneer*, the school yearbook.

Photojournalism (EL114C)

Grade: 9, 10, 11, 12

Prerequisite: None

.5 Elective Credit
Semester

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

Prerequisite: None

1 Elective Credit*
Year

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

Prerequisite: None

1 Elective Credit*
Year

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 *The Kirkwood Call*, the school news magazine and TheKirkwoodCall.com website. Students will produce issues of the *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 *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 **7.5 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

1 Elective Credit
Year

Prerequisite: None

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

Chinese II (EL204A/EL204B)

Grade: 10, 11, 12

NCAA Approved Course

1 Elective Credit
Year

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.

Chinese III (EL301A/EL301B)

Grade: 11, 12

NCAA Approved Course

1 Elective Credit
Year

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.

CHINESE III WILL ONLY BE OFFERED AS AN HONORS COURSE.

Chinese III Honors (EL390A/EL390B)

Grade: 10, 11, 12

NCAA Approved Course

1 Elective Credit
Year

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.**

Chinese IV (EL401A/EL401B)

Grade: 12

NCAA Approved Course

1 Elective Credit
Year

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.

CHINESE IV WILL ONLY BE OFFERED AS AN HONORS COURSE.

Chinese IV Honors (EL490A/EL490B)

Grade: 12

NCAA Approved Course

1 Elective Credit
Year

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

French I (EL105A/EL105B)

Grade: 9, 10, 11, 12

NCAA Approved Course

Prerequisite: None

1 Elective Credit
Year

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

French II (EL205A/EL205B)

Grade: 9, 10, 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level I.

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

1 Elective Credit
Year

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

French III (EL302A/EL302B)

Grade: 10, 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level II.

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

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

FRENCH III WILL ONLY BE OFFERED AS AN HONORS COURSE.

French III Honors (EL391A/EL391B)

Grade: 10, 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level II.

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

1 Elective Credit
Year

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

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

French IV (EL402A/EL402B)

Grade: 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level III.

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

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

FRENCH IV WILL ONLY BE OFFERED AS AN HONORS COURSE.

French IV Honors (EL491A/EL491B)

Grade: 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level III.

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

1 Elective Credit
Year

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

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

ELECTIVES: FRENCH

AP French Language and Culture (EL500A/EL500B)

1 Elective Credit
Year

Grade: 12 *NCAA Approved Course*

Prerequisite: Full credit earned in Level IV.

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

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

*Dual credit available through Missouri State University.

ELECTIVES: GERMAN

German I (EL106A/EL106B)

1 Elective Credit
Year

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

Prerequisite: None

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

German II (EL206A/EL206B)

1 Elective Credit
Year

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

Prerequisite: Full credit earned in Level I.

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

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

German III (EL303A/EL303B)

1 Elective Credit
Year

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

Prerequisite: Full credit earned in Level II.

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

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

GERMAN III WILL ONLY BE OFFERED AS AN HONORS COURSE.

German III Honors (EL392A/EL392B)

1 Elective Credit
Year

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

Prerequisite: Full credit earned in Level II.

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

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

*Dual credit available through Missouri State University.

German IV (EL403A/EL403B)

1 Elective Credit
Year

Grade: 11, 12 *NCAA Approved Course*

Prerequisite: Full credit earned in Level III.

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

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

GERMAN IV WILL ONLY BE OFFERED AS AN HONORS COURSE.

ELECTIVES: GERMAN

German IV Honors (EL492A/EL492B)

1 Elective Credit
Year

Grade: 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level III.

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

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

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

AP German Language and Culture (EL501A/EL501B)

1 Elective Credit
Year

Grade: 12

NCAA Approved Course

Prerequisite: Full credit earned in Level IV.

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

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

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

ELECTIVES: SPANISH

Spanish I (EL107A/EL107B)

1 Elective Credit
Year

Grade: 9, 10, 11, 12

NCAA Approved Course

Prerequisite: None

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

Spanish II 9 (EL112A/EL112B)

1 Elective Credit
Year

Grade: 9

NCAA Approved Course

Prerequisite: Full credit earned in Level I.

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

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

Spanish II (EL207A/EL207B)

1 Elective Credit
Year

Grade: 10, 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level I.

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

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

Spanish III (EL304A/EL304B)

1 Elective Credit
Year

Grade: 10, 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level II.

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

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

ELECTIVES: SPANISH

Spanish III Honors (EL393A/EL393B)

1 Elective Credit
Year

Grade: 10, 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level II.

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

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

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

Spanish IV (EL404A/EL404B)

1 Elective Credit
Year

Grade: 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level III.

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

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

Spanish IV Honors (EL493A/EL493B)

1 Elective Credit
Year

Grade: 11, 12

NCAA Approved Course

Prerequisite: Full credit earned in Level III.

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

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

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

AP Spanish Language and Culture (EL502A/EL502B)

1 Elective Credit
Year

Grade: 12

NCAA Approved Course

Prerequisite: Full credit earned in Level IV.

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

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

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

SPECIAL EDUCATION

SPECIAL EDUCATION

In conjunction with the Kirkwood School District, the Special School District of St. Louis County (SSD) provides special education staff, services, and programs for Kirkwood students who meet Missouri DESE eligibility requirements for an educational disability and who have an IEP (Individualized Education Program). Through evaluation, a student must meet eligibility criteria for a particular disability area and demonstrate an adverse impact on education and requirement 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). An 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 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 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 is provided to address 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), assisting students to build skills to get and keep a job.
- Essential Skills Classes: Functional academic and life skills classes utilize alternative curriculum 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 with 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

Grade: 10, 11, 12

Semester

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

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

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

.25 Elective Credit with Pass/Fail

Grade: 10, 11, 12

Semester

Prerequisite: Signature of Counselor and Office Staff per semester

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

Gr 9 Academic Support (First semester: NC100A / Second semester: NC100B)

No Credit

Grade: 9

Semester

Prerequisite: None

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 Academic Support period is a structured study block for only ninth graders and is supervised by a ninth grade English, Social Studies, Science or World Language teacher. Students receive additional guidance and support as they begin their high school adjustment period. Ninth grade students may take this in lieu of a seventh course.

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

No Credit

Grade: 10, 11, 12

Semester

Prerequisite: None

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

IP (Independent Period)

No Credit

Grade: 10, 11, 12

Semester

Prerequisite: 3.2 GPA

Students who earn a 3.2 grade point average the previous 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 at Tech School will be entered in the Kirkwood transcript.

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**

Offers a curriculum focused on the repair and appearance of the interior and exterior of vehicles. Students learn how to assess, estimate, and repair using modern welding, sanding, masking and painting techniques using the same advanced equipment found in professional auto collision repair companies.

College Credit Offered: Ranken Technical College & 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

• **AUTOMOTIVE TECHNOLOGY**

Driven by the 4 main systems of vehicle operation - brakes, suspension and steering, engine performance, and electrical/electronics, students will diagnose, service, and repair a wide range of vehicles alongside their ASE certified Master Technician instructor. The classroom includes training in the use of modern diagnostic equipment in preparation for multiple ASE certifications.

College Credit Offered: Ranken Technical College & 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 Brakes, Electrical, Engine Performance, Suspension, S/P2 Safety Certification, Snap-On Certification

• **CARPENTRY** (Seniors Only)

Students will build a skill set that includes framing, estimating, roofing, and interior finishing and learn how to read and interpret blueprints. They will build structures using a wide range of professional power tools and carpentry materials while earning apprenticeship and college credit.

College Credit Offered: St. Louis Community College, 6 credits

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.

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

• **CISCO NETWORKING ACADEMY**

This academy is an honors course in which students learn how to design, install and troubleshoot complex computer networks. They will navigate a variety of projects as they complete Cisco's online curriculum in preparation for their certification exams.

College Credit Offered: St. Louis Community College, 10 credits • St. Charles Community College, 25 credits • Jefferson College, 5 credits • Ranken & State Technical College - college credit opportunities exist through credit for prior learning or credit by assessment

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

• CONSTRUCTION INNOVATIONS

Students customize a year or semester of construction exploration to match their interests by choosing from a variety of quarter long courses which offer a solid foundation of basic knowledge and experience. Upon completion of the course, students can continue into an Advanced Construction course senior year.

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

• CONSTRUCTION TRADES (Seniors Only)

Students build a skill set that includes framing, estimating, roofing, and interior finishing, learn how to read and interpret blueprints and build structures using a wide range of professional power tools and carpentry materials, and hone employability skills through study of the PACT curriculum.

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

This is an exclusive high school program offering the same curriculum as a beauty college without tuition costs. All aspects of cosmetology including all hair, nail, and skincare services are included. Students learn in a full-service salon along with classroom instruction from licensed Cosmetologists. By graduation, students will have had the opportunity to earn all of the hours required to take their Missouri State Board certification exam to become a licensed cosmetologist.

***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 taught in a modern, fully equipped, restaurant style kitchen as required by the American Culinary Federation for certification. Students plan, prepare, and cater meals alongside professional chefs in both the classroom, compete at various competitions throughout the year, and participate in exclusive mentorship and shadowing program with some of our region's most recognized culinary leaders.

College Credit Offered: St. Louis Community College, 10 credits • Sullivan University, 3 credits • Johnson and Wales University, 13.5 quarter hours • Robert Morris University, 9 quarter hours • Southwestern Illinois College - 8 credits

Certifications Offered: American Culinary Federation Certification • Servsafe Certification

• DENTAL SCIENCES

Students are immersed into clinical experience in both the classroom and through internships available during the senior year. Our modern operatory includes real world tools and equipment which allow students to conduct mock exams and perform X-rays, preventative and restorative practices, and emergency care.

College Credit Offered: Missouri Baptist University, Dual Credit, 8 credits • Additional Opportunities through State Technical College

Certifications Offered: The DANB's (Dental Assisting National Board) Missouri Test of Basic Dental Assisting Skills (MBDA), Permit to Assist the Administration of and Monitor Nitrous Oxide Analgesia, CPR Certification, OSHA Healthcare Certification

• DESIGN & ENTREPRENEURSHIP

This engaging program provides students the opportunity to learn the fundamental skills of three dimensional design using cutting edge design software, hands-on building of prototypes of their designs in our state of the art MAKES lab, and the concepts of design thinking. Throughout the program students will meet entrepreneurs, network with industry professionals and collaborate with their peers to solve real world problems.

Certifications Offered: Occupational Safety and Health Administration (OSHA) – 10 hour Certification, S/P2 Safety Certification, Certiport

• EARLY CHILDHOOD EDUCATION

Students become teachers in our certified preschools as they research, create, and implement lesson plans while learning effective preschool teaching techniques. Upon graduation, students will have a portfolio of work to present to colleges and/or employers along with early childhood certifications.

College Credit Offered: St. Louis Community College, 6 credits

Certifications Offered: American Association of Family & Consumer Sciences (AAFCS) – Early Childhood Certification • CPR and First Aid Certifications, ServSafe Food Handler Certification

• ELECTRICAL TRADES (Seniors Only)

Students will learn how to design, stage, and install commercial and residential electrical wiring for power and telecommunications systems. Skills taught include blueprint interpretation, layout, design, and programming equipment and an emphasis on logical thinking.

College Credit Offered: American Trade School, 12 quarter hours • 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

• ELECTRONICS & ROBOTICS ENGINEERING

Exploring the complex electrical, electronic, mechanical, and robotic components used in manufacturing and industry is the goal of this course. Students will also design and program robots for the annual FIRST Robotics Competition using modern equipment and techniques.

College Credit Offered: St. Louis Community College, 4 credits

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

• FIREFIGHTING & EMT

Our Firefighting and Emergency Medical Technician major is an academy level course that immerses students into academy level training. Using a wide range of firefighting and life-saving medical and diagnostic equipment, students develop their skills through real world emergency scenarios and field experiences.

College Credit Offered: St. Louis Community College, 10 credits • Southwestern Illinois College - 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

• FLOOR LAYERS MIDDLE APPRENTICESHIP (Seniors Only)

Students begin their post-secondary training while in high school in this exclusive apprenticeship. While learning to install hardwood, vinyl, carpet, and ceramic flooring students earn credit that can also lead to an associate's degree shortly after high school graduation. Paid summer internships with licensed contractors are also available.

Apprenticeship Credit Offered: U.S. Department of Labor Journey Level Certificate – this certificate can be articulated 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

A student's passion for art is channeled into advertising and marketing projects using the full Adobe Suite of design software. Through advanced tutorials combined with a study of fonts, color theory, sketching and drawing, students will produce a professional portfolio of their work to share with prospective colleges and employers upon graduation.

College Credit Offered: St. Louis Community College, 3 credits

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

• HEALTH SCIENCES

This course fully immerses students into healthcare through lab and patient care experiences, college-level academic coursework in anatomy and physiology, and clinical rotations at area hospitals and assisted living facilities.

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

***Students must meet all vaccination requirements of our clinical providers, including the Covid-19 vaccination.*

College Credit Offered: St. Louis Community College, 4 credits • Missouri Baptist University, Dual Credit, 8 credits • State Technical College - college credit opportunities exist through credit for prior learning or credit by assessment

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

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

Students learn how to design, install, repair, and maintain residential and commercial refrigeration, heating, and air conditioning systems. Blueprint reading, electrical schematics, and operational sequencing charts are taught in preparation for certification exams.

College Credit Offered: American Trade School - 12 hours • 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 • Environmental Protection Agency (EPA) – 608, Refrigeration Handling certification

• LAW ENFORCEMENT

Police Academy training is conducted through an array of training exercises, crime scenarios, self-defense, and fitness training. Students will learn conflict mediation and resolution, investigation techniques, and be trained in the use of advanced security related training equipment, including vehicles.

College Credit Offered: St. Louis Community College - 6 credits

Certifications Offered: International Academies of Emergency Dispatch Emergency Telecommunicator Certification • 911 Dispatch • Red Cross First Aid and AED Certification • CPR • Multiple FEMA/Homeland Security certification courses

• PHARMACY SCIENCES

Using the same advanced equipment as industry professionals, students test and research drug treatments and interactions. Students learn the skills required for careers in retail, hospital, and medical center pharmacies.

College Credit Offered: Missouri Baptist University, Dual Credit, 4 to 8 credits

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

• PRECISION MACHINING

Students invent, design, and manufacture tools and components for a wide range of production while learning how to use advanced computer controlled technology, 3D printing, and traditional machining skills. Project based learning includes training in MasterCAM and Computer Aided Design (CAD) software.

College Credit Offered: St. Louis Community College, 5 credits • Ranken Technical College and 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

The science of veterinary medicine, including animal care and training, clinical procedures, medical terminology, grooming, and disease prevention are key components of this course. Students interact daily with a wide variety of animals fostered in our facilities and provide their medical care while learning from certified professionals.

College Credit Offered: Jefferson College, 2 credits

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

• WEB & COMPUTER PROGRAMMING

Students will learn how to write and edit source code and applets using several programming languages including HTML and Java. Students will design, create, and maintain software, databases, and web pages while earning certifications.

College Credit Offered: St. Louis Community College, 5 credits • Ranken Technical College and State Technical College - college credit opportunities exist through credit for prior learning or credit by assessment

Certifications Offered: Microsoft Technology Associate (MTA) Certification – HTML5 or Software Development • Python Essentials

• WELDING

This competitive program teaches students to design, engineer, build, and troubleshoot complex metal fabrication challenges. Through high-level training and challenging competitions, students perfect modern welding processes while earning welding certifications.

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

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 STL CAPS will be entered in the Kirkwood transcript.

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

• 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.

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: VIRTUAL COURSES

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.

More information about PeLA virtual courses can be found on our website at:

<https://sites.google.com/kirkwoodschools.org/kirkwoodhighschool-e-learning/home>.

| 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; Teacher Approval |
| 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; Teacher Approval |
| AP Literature & Composition | 12 | Full Year | Freshman, Sophomore and Junior Literature & Composition (or AP Language & Comp) Teacher Approval |
| 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 OR 8 th grade teacher approval |
| Algebra II | 10-12 | Full Year | Algebra I and Geometry OR Algebra II and Geometry concurrently |
| 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 |

PIONEER eLEARNING ACADEMY: VIRTUAL COURSES

| COURSE NAME | GRADE LEVEL | SEMESTER OR FULL YEAR | PREREQUISITE |
|------------------------------------------------------|-------------|-----------------------|-------------------------------------------------------------------|
| 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 - Geog 1450-Present | 9 | Full Year | None |
| US History | 10 | Full Year | World History |
| American Government through Comparative Perspectives | 11-12 | Full Year | US History |
| AP US Government & Politics | 11-12 | Full Year | 3.0 GPA and Teach Approval |
| HEALTH & PHYSICAL FITNESS CREDIT | | | |
| Health | 9-12 | Semester | None |
| Lifetime Fitness | 9-12 | Semester | None |
| PERSONAL FINANCE CREDIT | | | |
| Personal Finance* | 9-12 | 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 | | | |
| Journalism I | 9-12 | Semester | None |
| Sociology | 11-12 | Semester | None |

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). More information about virtual courses can be found on our website at <https://www.kirkwoodschools.org/domain/1787>.

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/>.

PeLA VIRTUAL COURSES

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 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 (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 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 (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, Approval from Sophomore Literature & Composition teacher

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.**

PeLA VIRTUAL COURSES

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. We will explore how the elements of fiction and poetry allow us to empathize with the Other. In this course, we will analyze and critique contemporary literature and use this understanding to compose our own work in a workshop setting.

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

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

AP Literature & Composition (EN501VA/EN501VB)

1 English or Elective Credit

Grade: 12

NCAA Approved Course

Year

Prerequisite: Freshman Literature & Composition, Sophomore Literature & Composition and Junior Literature & Composition (or AP Language & Composition) Approval from English teacher

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 as well.

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: Placement in Geometry by the student's 8th grade mathematics teacher and counselor or 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.

PeLA VIRTUAL COURSES

Algebra II (MA200VA/MA200VB)

1 Math Credit

Grade: 10, 11, 12

NCAA Approved Course

Year

Prerequisite: Full credit earned in Algebra I and Geometry; students who earned less than a C in Algebra I must have approval from KHS Geometry teacher

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.

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.

PeLA VIRTUAL COURSES

Chemistry (SC200VA/SC200VB)

1 Science Credit
Year

Grade: 10

NCAA Approved Course

Prerequisite: At least .5 credit earned in Physics

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

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

Chemistry Honors (SC290VA/SC290VB)

1 Science Credit
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 matter and energy within the living world. Through laboratory experiences and practical application, students will investigate concepts of modern biology, particularly in the areas of ecology, biochemistry, cell biology, energetics, genetics, DNA, and evolution.

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.

Biology Honors is an extensive and rigorous study of matter and energy within the living world. It is designed for students with an advanced level of interest and motivation. Through laboratory experiences and practical application, students will more deeply investigate concepts of modern biology (ecology, biochemistry, cell biology, energetics, genetics, DNA, and evolution), with a greater emphasis on biochemistry, molecular biology and genetics. Principles of organic chemistry and energy are freely integrated within the course; students should have a good grounding in these topics.

World History-Geography 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.

In this course, students will study world history through global encounters from 1450-present. They will examine human interaction as groups of people struggle to understand and adapt to rapidly changing conditions. Topics such as exploration, trade, revolutions, industrialization, imperialism, conflict, and globalization will be explored in the context of a world that is continuing to connect and interact.

United States History (SS203VA/SS203VB)

1 Social Studies Credit
Year

Grade 10

NCAA Approved Course

Prerequisite: Full credit earned in World History-Geography 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 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 through Comparative Perspectives (SS307VA/SS307VB)

1 Social Studies Credit

Grade 11, 12

NCAA Approved Course

Year

Prerequisite: Full credit earned in US History

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

American Government through Comparative Perspectives introduces students to the origins, concepts, institutions, interactions and policies of government in the United States, has students analyze the role the United States in the global community, and compares the government of the United States to systems of government in other countries. 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 also be challenged to develop a civic disposition and engage in civil discourse. As a component of this course, students will be prepared for and take the state mandated American 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 and approval of a Social Studies teacher

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)

.5 Health Credit

Grade: 9, 10, 11, 12

Semester

Prerequisite: None

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

Students 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)

.5 Physical Education or Elective Credit

Grade: 9, 10, 11, 12

Semester

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

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)

.5 Personal Finance Credit

Grade: 9, 10, 11, 12

Semester

Prerequisite: None

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

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

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

PeLA VIRTUAL COURSES

Art Fundamentals (FA100V)

Grade: 9, 10, 11, 12

Prerequisite: None

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

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

.5 Fine Art or Elective Credit
Semester

Computer Applications I (PA101V)

Grade: 9, 10, 11, 12

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.

.5 Practical Art or Elective Credit
Semester

Business Communications (PA301V)

Grade: 10, 11, 12

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.**

.5 Practical Art or Elective Credit
Semester

Journalism I (EL102V)

Grade: 9, 10, 11, 12

NCAA Approved Course

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 *The Kirkwood Call*, the school newspaper, or *The Kirkwood Pioneer*, the school yearbook.

.5 Elective Credit
Semester

Sociology (SS305V)

Grade 11, 12

NCAA Approved Course

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.

.5 Elective Credit
Semester

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:

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

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

DIVISION II

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

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

GRADE-POINT AVERAGE

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

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

DIVISION III

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

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

NCAA ELIGIBILITY QUICK REFERENCE GUIDE

GRADE 9 REGISTER

- » 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

- » 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

- » 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

- » **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:

$$4 \times 4 = 16$$

9TH GRADE

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

4 CORE COURSES

10TH GRADE

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

4 CORE COURSES

11TH GRADE

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

4 CORE COURSES

12TH GRADE

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

4 CORE COURSES

CONTACT THE NCAA ELIGIBILITY CENTER

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

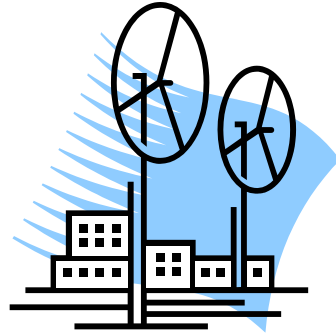
SEARCH FAQ:
ncaa.org/studentfaq

[@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 | Plumber |
| Brickmason | Roofer |
| Carpenter | Security System Installer |
| Civil Engineer | Surveyor |
| Electrician | |
| Floor Layers | |
| Heat & Air Conditioning Mechanics & Installers | |
| Home Appliance Repair | |
| Interior Designer | |
| Laborer | |
| Landscape Architect | |



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

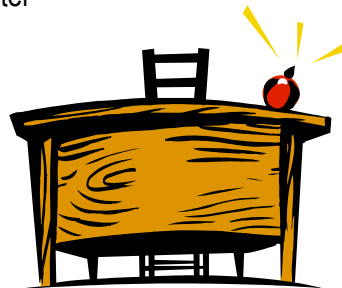
STL CAPS: Global Business & Entrepreneurship

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

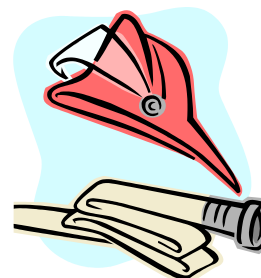
SOUTH TECH: CISCO Networking Academy, Graphic Design, Information Technology, Electrical Trades, Electronics & Robotics Engineering, Precision Machining, Web & Computer Programming

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

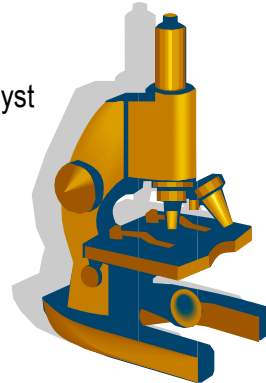
STL CAPS: Global Business & Entrepreneurship

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