



Richmond R-XVI High School

Career & Educational Planning Guide

2018-2019

The Career & Educational Planning Guide is available online:
www.richmond.k12.mo.us

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Notes:

- (*= weighted course)
- FINAL COURSE OFFERINGS ARE DEPENDENT ON ENROLLMENT AND STAFF, with a suggested minimum of 15 students in a course.

EXPLANATION OF THIS GUIDE

Dear Parents and Students;

This Career and Educational Planning Guide is intended to assist students as they make plans for a career that will lead to a rewarding and enjoyable future. We urge students and parents to work with the school faculty to review the information in this book in preparation for creating the student's personal plan of study. The personal plan of study is the student's unique plan of study which outlines courses that align with future education and career goals. When students see the relevancy of high school course work to what they aspire to in their future, they are more apt to take school seriously and enroll in rigorous courses. Remember course selection is very important and schedule changes can be difficult.

Parents, please familiarize yourself with the abundance of information in this book and actively participate with your school and student in creating and reviewing your child's personal plan of study. Students rank parents as the most influential people in their lives. Challenge your students to set high standards, select courses and school activities which directly help them achieve personal and career goals, and work hard to achieve these goals and attend classes daily. Embrace the power of your influence and genuinely engage in educational pursuits with your children.

We look forward to partnering with you for a successful year. Please do not hesitate to contact us if we can be of assistance. If you have any questions, please call the high school office at 816-776-2226.

ENROLLMENT INSTRUCTIONS

Students will be given access to the "Career and Educational Planning Guide" along with a registration form listing all of the classes available to them for next school year.

In completing the registration form, the student is to:

1. Review all requirements for graduation.
2. Review their Career Portfolio, Career Pathways, and Four-Year Plan Personal Plan of Study with his/her counselor and advisor.
3. Identify the required courses for which the student has yet to gain credit.
4. Read each course description in this guide to make an informed decision.
5. Seek advice from his/her parent/guardian, teachers, counselor, and advisor.

Completed course request pre-registration forms will be used to determine the number of classes and the number of sections of the courses that will be on the Master Building Schedule and help create the student's personal schedule. Students, grades 9-12, will be enrolled using

the computer program "PowerSchool" where the students will request desired courses for the following year. It is a goal each year to have completed schedules before the end of the school year.

SCHEDULE CHANGE POLICY

The course offerings at Richmond R-XVI High School are determined by the requirements set by the R-XVI Board of Education and student preference for electives. Thus, the choices that students make in the spring not only help to determine the elective courses that are offered but also help determine the number of sections that will be available. Once the master schedule is established, teaching assignments are made. Students and parents are encouraged to take time to carefully select courses for the next year. Schedule changes can only be made after the following conditions are met:

1. An opening is available in the class you want to go into, overloading of classes will not be allowed.
2. The parent must approve (in writing) a change in a class that will be required for graduation or any honors course.
3. The change must be made PRIOR to the beginning of the semester.
4. The student must meet with the teachers involved prior to final approval, explaining to them the request for the change in your schedule. Their signatures must be on the form prior to approval. Proper forms are available in the high school office to facilitate schedule changes.

DROPPING A CLASS: A student may not drop a class after the first three weeks of any semester without a failing grade being entered on their transcript unless an extraordinary circumstance occurs. Only extraordinary circumstances will be considered.

EARLY GRADUATION/RELEASE (Waiver of 8th Semester)

As per Missouri State Department of Elementary and Secondary Education graduation requirements, students are to complete eight semesters of high school. A student, who for sound educational and vocational reasons, wishes to graduate from high school in less time than eight semesters may request a waiver of this policy. Per Richmond R-XVI School District Board of Education Policy: IKFA, the student will meet with the guidance counselor and submit written notification to the principal. The deadline for application is November 1st. **Students who choose early graduation will be allowed to participate in the spring graduation ceremonies, but will be considered alumni for all other activities.**

In addition:

- A. A student's eligibility to receive Social Security benefits may be affected by an early release, since the student may no longer be considered a full-time student.
- B. Students enrolled as part-time students are ineligible for early release.
- C. Students leaving after the seventh semester may be eligible to receive their high school diplomas with their graduating class. Graduating seniors who choose not to participate in commencement activities may pick up their diplomas in the high school office on the first school business day following the graduation ceremony. By the end of a student's junior year, a student must present a graduation plan and a letter of documentation to the high school principal for approval by the Board of Education.
- D. Students may not participate in activities regulated by the Missouri State High School Activities Association unless enrolled in at least 6 of 7 classes.
- E. Students on an 8th semester early release or part-time status will not be eligible for Spartan Reward Cards.
- F. It is the student's responsibility to stay in touch with the school in regard to important semester events (e.g., graduation rehearsal, pictures).
- G. Students and parents may want to check with their health insurance company concerning coverage since the student may not be considered full time.
- H. Students leaving after the 7th semester will forfeit any possible Valedictorian status or 4.00 and Above GPA recognition awards.

GRADE CLASSIFICATION AND SCALE

GRADE CLASSIFICATION AND PLACEMENT

Grade 9 Status	=	0-7 credits
Grade 10 Status	=	7-14 credits
Grade 11 Status	=	14-20 credits
Grade 12 Status	=	20+ credits

GRADING SCALE

4.0	=	A
3.66	=	A-
3.33	=	B+
3.0	=	B
2.66	=	B-
2.33	=	C+
2.0	=	C
1.66	=	C-
1.33	=	D+
1.0	=	D
0.66	=	D-
0	=	F

High School Course Graduation Requirements	
Curricular Areas	Graduation
English Language Communication Arts	4 credits 0.5 credit
Social Studies	3 credits (must include 1 credit Am. History, 1 credit World History, 1 credit Am. Government and pass US and MO Constitution Tests)
Mathematics	3 credits (Must include 1 credit Algebra 1)
Science	3 credits (Must include 1 credit Physical Science and 1 credit Biology)
Fine Arts	1 credit
Practical Arts	1 credit
Physical Education	1 credit
Personal Finance	0.5 credit
Health	0.5 credit
Electives	8.5 credits
Total	26 credits

MINIMUM POST-SECONDARY ADMISSION REQUIREMENTS

Curricular Areas	Entering Freshmen of University of Missouri System Credit Requirements	Missouri Public 4 Year Colleges (UCM, MSU) Credit Requirements	Community & Technical Colleges	Military Careers	Apprenticeships
COMMUNICATION ARTS	4 Credits	4 Credits	High School Diploma, GED, or a Completion of Home School Program	High School Diploma	Most require a High School Diploma or a GED and must be at least 18 years of age
SOCIAL STUDIES	3 Credits Government 1/2	3 Credits Government 1/2			
MATHEMATICS	4 Credits Algebra I & Higher	3 Credits Algebra I & Higher			
SCIENCE	3 Credits 2 of 3 from Biology, Chemistry, Physics, and Earth Science	3 Credits No General Science 1 must be a lab class			
FINE ARTS	1 Credit	1 Credit			
PRACTICAL ARTS	0 Credit	0 Credit			
PHYSICAL EDUCATION	0 Credit	0 Credit			
ELECTIVES	5 Credits	6 Credits			
ADDITIONAL ELEVTIVES	2 Credits 2 years of the same foreign language	3 Credits selected from foreign language &/or core courses			
TOTALS	22 Credits Plus appropriate class rank and a minimum scores of 24 on ACT	23 Credits Plus appropriate class rank and ACT score			

COLLEGE ADMISSION REQUIREMENTS

Acceptance to a 4-year public or private college is based upon the student's completion of the state approved core curriculum, class rank, grade point average, and the score on a college admissions test (either the ACT or SAT). Students should consult with the counseling staff to determine which tests are required by their chosen schools. Information about registration and test dates is available in the counseling office. Students entering a 4-year college or university will need the minimum core curriculum units listed above.

National Collegiate Athletic Association (NCAA)

Before a student is eligible to participate in college athletics at the NCAA Division I or Division II level, the NCAA Clearinghouse must certify the student. Part of that certification process includes making sure that the student has successfully taken the required number of core courses. The required number of core courses is listed below. For further requirements to be deemed eligible contact the Guidance Office.

CORE UNITS REQUIRED FOR NCAA CERTIFICATION:

	Division I	Division II
English Core	4 years	3 years
Mathematics Core (Alg 1 and up)	3 years	2 years
Science Core	2 years	2 years
Social Studies Core	2 years	2 years
From English, Math, or Science	1 year	3 years
Additional Core (English, Math, Science, Social Science, Foreign Language, Computer Science, Philosophy, Non-doctrinal Religion)	4 years	4 years
TOTAL CORE UNITS REQUIRED	16	16

***IMPORTANT NOTE:** Be sure to look at your high school's list of NCAA-approved core courses on the Eligibility Center's Web site (www.eligibilitycenter.org) to make certain that courses being taken have been approved as core courses. It is important for all students interested in college athletics to plan to meet the Division I criteria. This plan should be reflected in the student's Personal Plan of Study created in the 8th grade and reviewed every year thereafter.

National Association of Intercollegiate Athletics (NAIA)

For information about eligibility to play NAIA athletics, go to www.playnaia.org.

OFF-CAMPUS OPPORTUNITIES (OCO)

At all educational levels: elementary, middle school, high school, Lex La-Ray Technical Center, students may have the opportunity to participate in a variety of career exposures. These may

include awareness, exploration, and preparation activities. Each of these exposures will enhance our Career Pathways process for all students. Seniors who have completed 6 high school semesters and are scheduled to graduate during the 2015-2016 school year can be eligible for an OCO.

- A. **Off-Campus College Enrollment:** Qualifying seniors who wish to take a college courses off-campus (courses that are not offered at RHS) must write and submit a proposal to their counselors. Final approval will be determined by the principal and superintendent.
- B. **Vocational Education:** The Lex La-Ray Technical Center is an educational option for many qualifying juniors and seniors. See more information on page 40.

ADVANCED STUDIES AND RECOGNITION PROGRAM

Several special programs are designed to meet the needs of academically talented students, providing intellectual challenge through curricula which are designed to improve competitive advantages for college admission or other advanced study and to increase scholarship opportunities. **Dual-enrollment courses are weighted in the student's grade point average (GPA) with a .50 value. AP courses are weighted a 1.00 value. Weighted values for AP and dual credit courses will be awarded at the end of each semester to students with a 75% or higher average in these courses.**

These programs include:

- I. **Advanced Placement (AP)**
- II. **Courses for Dual Enrollment Credit**
- III. **Articulated Credit**

All students who take an AP exam must pay the **examination fee**. AP exams **must** be taken for weighted credit. All students who take courses for dual credit **must** pay **college tuition**. Students and their parents should meet with a guidance counselor to investigate all opportunities and options available through the programs. Please be aware that acceptance of credit through these programs is determined by individual colleges. Students and parents will also find the following brief explanations of each program helpful.

I. ADVANCED PLACEMENT (AP)

The Advanced Placement Program is essentially a way for schools to provide their stronger students with courses of study appropriate to their abilities and interests, with reasonable assurance that these studies will not be repeated at college. RHS offers several AP courses to juniors and seniors. All AP courses culminate with a comprehensive AP examination created by and administered through the College Board, a non-profit organization that administers the program. Typically, a score of 3.0 or better (out of 5.0) is required for college credit to be awarded. Most colleges will accept successful completion of the exam for either advanced

placement alone or for both dual credit and advanced placement. Up-to-date information concerning university recognition policies can be found at:
<http://www.collegeboard.com/student/testing/ap/about.html>.

Students enrolled in AP courses are required to take and pay for the corresponding examination to receive the 1.0 weighted credit. Failure to take the AP exam will result in a reduction of the weighted credit from 1.0 to .50.

Below is a list of all AP courses that may be offered at Richmond High School:

AP English Language & Composition	AP Biology
AP U.S. Government & Politics	AP Calculus A/B
AP United States History	AP Studio Art: 2-D Design
AP Physics I	

II. DUAL CREDIT COURSES

The criteria for students to be eligible for dual credit is set by the Missouri Coordinating Board for Higher Education (CBHE). To be eligible to take dual credit courses, students must meet or exceed the minimum grade point average requirements*, satisfactory scores on subject matter tests, and recommendation of the high school principal or counselor.

Below is a listing of all dual credit courses which may be offered at Richmond High School:

MWSU-Introductory Statistics	UCM-Personal Finance
MWSU-Finite Math	UCM-Composition I and II
MWSU-College Algebra	UMKC-European History to 1600
MWSU-Trigonometry	MSU-Animal Science I and II
	Drury College-Community Leadership I and II

Dual credit course offerings are subject to change each year pending teaching assignments and university requirements. A tuition fee charged to the student per credit hour. Students and parents are responsible for paying tuition fees.

Course Requirements for both AP and Dual Credit Courses:

- Finals will be comprehensive.
- Oral, written, or other major projects are to be expected.
- Taught at an advanced and academically rigorous level.
- A cumulative score of 75% or higher must be earned in order for any weighted value to take affect at the end of the semester.
- High School freshmen and sophomores who wish to enroll in dual credit or AP courses must have scored in the 90th percentile or higher on the SAT or ACT exam.
- AP and Dual Credit courses may have additional college-specific requirements that must be met for enrollment. Please consult the course description located in this guide beginning on page 16.

III. ARTICULATED CREDIT

Articulated credit is awarded when a student earns college credit after completing a state-approved occupational program or course that addresses the same competencies as its “articulated” college program or course. The student is not enrolled at the college when the credit is offered. The student does not need to have a given GPA, test score or demonstrated proficiency to enroll in the articulated course. The students must, however, demonstrate an 80% mastery upon completion of the course or program in order to earn credit. No weighted credit is given for any course in which articulated credit is awarded.

ACADEMIC CERTIFICATES AND AWARDS

PRESIDENT’S AWARD FOR EDUCATIONAL EXCELLENCE

Requirements:

1. Seventh semester Cumulative G.P.A. = 3.5 or higher.
2. Received a score in the 11th or 12th grade, placing the student at or above the 85th percentile in reading or math on any nationally standardized college admissions exam. (ACT or SAT).

GEORGE WASHINGTON CARVER CERTIFICATE

The George Washington Carver Certificate recognizes seniors who graduate in the top ten percent of their graduating class. The award is made possible by the Governor and the Missouri Department of Elementary and Secondary Education in an effort to honor the outstanding achievement of Missouri’s high school seniors in both public and private schools.

ACADEMIC LETTER AWARD

Richmond High School Sophomores, Juniors and Seniors are eligible for an Academic Letter based upon the following criteria:

- Letters are awarded each semester.
- Regular and weighted grading scales will be used.
- Students must earn at least 3.5 credits in that semester.
- Students may not have any grade below a “C” in that semester to be eligible.
- Students must be in good standing as a school/community citizen.
- 95% attendance (A+ Guidelines). (Extenuating circumstances may be appealed to a 90% attendance for long-term hospitalization.)

Academic Letters will be awarded as follows:

- 3.2 to 3.7 GPA will receive a Certificate and a Silver Star
- 3.8 to 4.0 GPA will receive a Chenille RHS Letter and a Gold Star

Students with a 4.0 GPA and above for the semester will receive the Chenille RHS Letter a special medallion. An Academic Awards Presentation will be held in the spring semester each year. All students honored by these awards will be recognized each year in the second semester for the previous two semesters.

HONOR ROLL AND HONOR ROLL WITH DISTINCTION

Honor rolls will be calculated and published at the end of each semester during the school year. The Honor Rolls will reflect the academic achievement of students for the semester, and will be figured on the basis of grade point average. The “Honor Roll with Distinction” will consist of those students earning at least a 3.8 grade point average with no grade below a C. The “Honor Roll” will consist of those students carrying at least a 3.2 G.P.A., but less than a 3.8, with no grade below a C.

NATIONAL HONOR SOCIETY

Membership in the National Honor Society is based on scholarship, service, leadership, and character. Members must be a member of the junior or senior class and have a cumulative grade point average of 3.5 or better. A faculty council selects membership after reviewing candidate applications that provide evidence of student academic responsibility, leadership, community service, and character. Comments of the entire faculty are taken into consideration.

NHS Selection Process:

1. Any junior or senior with a 3.5 cumulative grade point average or above shall be considered for candidacy.
2. Each student who is eligible to be considered for membership will be notified in writing of his/her eligibility.
3. The eligible student will then be invited to submit to the chapter advisor a written statement of his/her service projects, activities, and positions of leadership. If the student does not submit this statement within the specific time limit, he/she shall not be considered further for candidacy. The candidate’s statement will be available for use by the general faculty as well as the chapter council.
4. The candidate is required to show proof of membership in at least two organizations within the school, at church, or in the community.
5. The candidate must show proof that he/she has held at least one leadership position of responsibility, within the past school year or within the year of his/her candidacy.
6. The candidate must show proof of active involvement in an individual effort to help people other than his/her own family; OR he/she must show active involvement in a service organization.
7. All organization memberships, offices, and activities must be validated by the signature of the organization’s sponsor or by a person of similar authority.
8. The candidate must have no record of any school suspension or any other recurring disciplinary problems.
9. Each candidate shall also request references or recommendations from five faculty members of his/her choice. The faculty members will complete and return these forms to the chapter advisor. Responses on these sheets are not to be shown to the candidate.
10. The names of all candidates who have submitted the required information shall be referred to the entire faculty. The chapter council shall entertain any and all written comments pertaining to the candidates.

RICHMOND HIGH SCHOOL A+ SCHOOLS PROGRAM

The Richmond R-XVI A+ Schools Program strives to ensure that students are prepared for and successful in life beyond high school. The A+ Schools Program provides students with continuous, progressive career information throughout the students' years in the Richmond R-XVI School District. The program focuses on ensuring students have course offerings that are rigorous and relevant to the world outside the classroom that will better prepare them for their paths after high school.

WHAT ARE THE BENEFITS OF BEING AN A+ STUDENT?

- A student graduating with A+ status may be eligible for two years of tuition grants to attend any accredited public Missouri community college or vocational /technical school as a full-time student. Tuition benefits may cover tuition and general fees.
- An A+ student may be eligible for scholarships from four-year colleges and universities.
- The tuition grants may be available to the A+ student up to four years after high school graduation.
- Students graduating from a two-year school may be eligible for transfer scholarships to four-year colleges and universities.

WHAT ARE THE CRITERIA FOR BEING AN A+ STUDENT?

A+ students must:

- Attend an A+ School for six consecutive semesters prior to graduation (grades 10-12)
- Graduate with a cumulative GPA of 2.5 or higher on a 4.0 scale
- Graduate with at least a 95 percent cumulative attendance record for grades 9-12
- Perform 55 hours of unpaid tutoring to other students in the R-XVI School District
- Maintain a record of good citizenship and avoid the use of alcohol and unlawful drugs
- Apply for non-pay back scholarships by completing a FAFSA (Free Application for Federal Student Aid)
- Males must register for Selective Service at age 18

HOW DOES ONE BECOME AN A+ STUDENT?

To become part of the A+ Schools Program, students must read the citizen guidelines and complete the RHS A+ Schools Program Agreement. It is recommended that students sign up early in their high school careers. This allows students to complete the tutoring portion of the A+ requirements and receive college and career information from the A+ coordinator. It also allows the coordinator to monitor the students' GPA and attendance. It is also recommended that students enroll in the A+ Schools Program even if they plan to attend a four-year college or enter the workforce rather than attend college. This program is an opportunity for students to access additional education after high school; it does not obligate them to use the A+ tuition reimbursement. The A+ benefits are available to A+ graduates up to four years after high school graduation or for six semesters.

*For additional information about the Richmond R-XVI High School A+ Schools Program, please contact the RHS A+ Coordinator.

EXPLORING CAREER PATHWAYS

Career paths provide a plan for ALL students, regardless of their interests, abilities, talents, or desired levels of education. With career paths ALL students will have areas of FOCUS, along with flexibility and a variety of ideas to pursue as they make decisions regarding course selection through career paths, ALL students will see a relevance to their selected school courses. Thus, students are more apt to do well in school.

What are career paths?

- Career paths are clusters of occupations and careers that are grouped together because many of the people in them share similar interests and strengths.
- All paths include a variety of occupations that require different levels of education and training.
- Career paths provide students with an area of focus, along with flexibility among many options and a variety of ideas to pursue.

What steps are involved in choosing a career path?

- Identify your interests, abilities and talents.
- Consider the possible careers in each path in relationship to those interests, abilities and talents.
- Decide which career path seems to fit you best.
- Select courses that are related to the career path you have chosen.

How can parents and other interested adults help?

- Help students identify interests, abilities and talents by discussing strengths with them.
- Share information about careers and work experiences.
- Arrange for students to talk with people about careers that are of interest.

What if students change their minds?

- A career path choice is not a permanent commitment.
- As students have new experiences, they will learn new things about themselves and may change career paths.
- If a student decides on a new career path, he or she can discuss it with a counselor and adjust future course selections accordingly.

Career Paths and Career Clusters

Arts & Communications

These occupations are related to the humanities and the performing, visual, literary and media arts. They may include architecture, interior design, creative writing, fashion design, film, fine arts, graphic design and production, journalism, language, radio, television, advertising and public relations.

Career Clusters: Arts, A/V Technology and Communications

Business Management & Technology

These occupations are related to the business environment. They may include entrepreneurship, sales, marketing, computer/information systems, finance, accounting, personnel, economics and management.

Career Clusters: Information Technology; Finance; Marketing, Sales and Service; Business, Management and Administration

Health Services

These occupations are related to the promotion of health and the treatment of disease. They may include research, prevention, treatment and related technologies.

Career Clusters: Health Science

Human Services

These occupations are related to economic, political and social systems. They may include education, government, law and law enforcement, leisure and recreation, military, religion, childcare and social services.

Career Clusters: Human Services; Hospitality and Tourism; Government and Public Administration; Law, Public Safety, Corrections and Security; Education and Training

Industrial & Engineering Technology

These occupations are related to the technologies necessary to design, develop, install or maintain physical systems. They may include engineering, manufacturing, construction, service and related technologies.

Career Clusters: Science, Technology, Engineering and Mathematics; Architecture and Construction; Manufacturing; Transportation, Distribution and Logistics

Natural Resources

These occupations are related to the environment and natural resources. They may include agriculture, earth science, environmental sciences, fisheries, forestry, horticulture and wildlife.

Career Clusters: Agriculture, Food and Natural Resources

Please visit http://dese.mo.gov/divcareered/missouri_connections_occ_profiles.htm for information about Missouri's Career Clusters. This website outlines specific information about occupation descriptions, education requirements, wage information (state and national), employment trends (state and national), Missouri schools offering education and training, and school contact information.

The Sixteen Career Clusters

	<p>The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.</p>
	<p>Careers in designing, planning, managing, building and maintaining the built environment.</p>
	<p>Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.</p>
	<p>Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.</p>
	<p>Planning, managing and providing education and training services, and related learning support services.</p>
	<p>Planning, services for financial and investment planning, banking, insurance, and business financial management.</p>
	<p>Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.</p>
	<p>Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.</p>
	<p>Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.</p>
	<p>Preparing individuals for employment in career pathways that relate to families and human needs.</p>

	<p>Building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.</p>
	<p>Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.</p>
	<p>Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.</p>
	<p>Planning, managing, and performing marketing activities to reach organizational objectives.</p>
	<p>Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.</p>
	<p>Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.</p>

RICHMOND HIGH SCHOOL

COURSE OFFERINGS

Fine Arts Department

(1 credit is required for graduation)

Art

Art 1

Length: one sem.

Course #024100

Credit: .5

Art I is an introductory course, prerequisite to any other art course. The course covers a wide variety of media. Students will experience drawing with various drawing media, including pastels, charcoal, pencil, conte, and markers. Students will also experience painting with media such as tempera and watercolor. Batik, ceramics, calligraphy, metal tooling, and weaving will also be explored. The history of art will also be a part of the course. Ancient through contemporary civilizations and cultures as well as the elements and principles of design will be studied. These topics will be utilized and developed in art projects to foster an appreciation of art.

Drawing

Length: one sem.

Prerequisite: Art I

Course #024150

Credit: .5

Drawing is an advanced art course. Basic principles of drawing using various media will be explored in contour perception, positive and negative shapes, figure/ground relationships, proportion and perspective, and the use of value. Periodic lectures and demonstrations, slide presentations, study of masters' works, additional outside work, and final portfolio presentation will be required.

Painting

Length: one sem.

Prerequisite: Art I

Fee: \$5 charge for materials

Course #024160

Credit: .5

Painting is an advanced art course. Students will learn various painting techniques and use various painting media. They will paint indoors, outdoors, and execute various types of painting, including realistic, abstract, and surrealistic. Students will also be required to do some drawing.

Sculpture
Length: one sem.
Prerequisite: Art I
Fee: \$5 charge for materials

Course #024135
Credit: .5

Sculpture is an advanced art course. Students will explore various media such as wire, paper, papier-mâché, cardboard, ceramics (more concentration), mixed media, clay, and plaster. Students will also learn to use various tools and equipment related to sculpture. Study of sculptors and their works will be required.

***AP Studio Art: 2-D Design**
Length: one yr.
Weighted Course: 1 added value
Prerequisite: See requirements on page 9
Fee: exam fee of \$94 (fees subject to change)

Course #024295
Credit: 1
Grades 11-12

Students will demonstrate mastery through any two-dimensional medium or process, such as graphic design, digital imaging, photography, fabric design, collage, weaving, fashion design, fashion illustration, painting, and printmaking. Students will develop technical skills and familiarize themselves with the functions of visual elements as they create an individual portfolio.

Instrumental Music

Band (Symphonic Wind Band)
Length: one yr.

Course #125510
Credit: 1

Symphonic Wind Band is offered to qualified music students through their participation and performance on wind and percussion instruments. This concert band performs at all home football games and at selected parades. Early rehearsals start at 7:00 AM for full band and/or sections. Second semester Symphonic Wind Band gives students the opportunity to further refine their existing skills. Particular attention will be given to tonal blend, technical facility, and overall band excellence. An extensive repertoire will be studied with attention given to different styles and periods of music literature. Students are given the opportunity to perform solos and participate in small ensembles at the district and state level.

Adjudication will be a part of the band's performance. The band will perform at several afternoon or evening concerts and at selected community appearances. Members should expect to attend early rehearsals when the instructor feels it is necessary. Testing and playing auditions for students are by term and/or by semester. The main purposes in the instrumental music program are to experience the joy and beauty of making music, share the joy and beauty of making music with others, and to develop the self-discipline of everyday life that go into the pursuit of musical excellence.

Band (Jazz)
Length: one yr.

Course #125540
Credit: 1

Jazz Band is a course that offers an opportunity for students in Instrumental Music to learn and perform a variety of different styles and periods including Swing, Blues, Fusion, Soul, and Funk. Improvisation is an important part of jazz and will also be studied through listening and performing. The Jazz Ensemble will perform in at least three concerts and take an annual one-day field trip and tour.

Music Appreciation
Length: one sem.

Course #126920
Credit: .5

In Music Appreciation, students will be introduced to the basic fundamentals of music and will gain an awareness of these fundamentals as evidenced in today's (and yesterday's) world. Students do not need to have a background in music in order to succeed in class. Students should, however, have a general interest in the topic and keep an open mind while learning about music. Topics discussed will include music history, jazz music, music's role in culture, musical theatre, and music as big business.

Fundamentals of Music
Length: one sem.

Course #126910
Credit: .5

This course is a study of music fundamentals, including principles and procedures of rhythm and pitch notation, scales, key signatures, chord structures, and symbols. Harmonic analysis and simple four-part writing is included. The course is applicable to those who have learned to play and sing without training in fundamentals and to beginners in music. Previous musical knowledge is not a requirement.

Vocal Music

Chorus/Choir (Concert Choir)
Length: one yr.

Course #126960
Credit: 1

Concert Choir is a mixed vocal ensemble for students who demonstrate basic musicianship and performing skills in a traditional choir format. Students must demonstrate a desire to grow musically and to develop the highest levels of rehearsal and performing excellence. Concert Choir is a performing ensemble requiring concert attendance for concerts and music festivals. Performances are an integral part of the grading for the class.

Chorus/Choir (Chamber Choir)
Length: one yr.

Course #126960
Credit: 1

Chamber Choir is a select group for advanced vocalists where enrollment is based on auditions. Membership will be limited to a small, balanced ensemble. Members will perform a wide variety of literature and styles as well as a greater amount of music than Concert Choir. Greater emphasis will be given to independence of each part, and members will be tested on their ability to perform their parts independently from others. Participation will be required for concerts, festivals, and performances. (Early or late rehearsals will be scheduled as needed at the Director's discretion.)

Other Voc. Music (Women's Chorus)
Length: one yr.

Course #126999
Credit: 1

This course is a women's vocal ensemble for students who demonstrate basic musicianship and performing skills in a traditional choir format. Students must demonstrate a desire to grow musically and to develop the highest levels of rehearsal and performing excellence. Women's Chorus is a performing ensemble requiring concert attendance for concerts and music festivals. These commitments are an integral part of the grading for the class.

Theatre

Theatre Arts
Length: one sem.

Course #056550
Credit: .5

Theater Arts allows students to experience all the basic elements of theatre. Areas that will be covered include improvisation, movement, character development, set design, lighting, makeup, costume selection, theatre history, and reading of plays. Students will also perform monologues and duet scenes throughout the semester. This is a performance-based class, and participation is mandatory. Auditioning for RHS productions is not a requirement, but always encouraged.

Dramatics (Advanced Theatre)
Length: one yr.

Course #056520
Credit: 1

Dramatics is a continuation of Theatre Arts, focusing on character development, technical theatre and the performance and the production of plays. During this course students will write, produce, and perform in short plays, and will help produce a Theatre Department production. Performance and participation are mandatory in this class.

Foreign Language Department

Spanish I
Length: one yr.

Course #066300
Credit: 1

Spanish I is for the beginning student. It will enable the student to understand the language, speak it, use simple sentence patterns, and read and write the information that has been learned in class. Customs of the Spanish-speaking world will also be studied.

Spanish II
Length: one yr.

Course #066300
Credit: 1

Spanish II will develop the four skills of understanding, speaking, reading and writing the Spanish language. There will be an added emphasis on conversational Spanish during the course.

Spanish III
Length: one yr.

Course #066300
Credit: 1

Spanish III will have more material covered using the Spanish language. The study and review of Spanish grammar will continue in this course. Literature works from the Spanish-speaking world will be introduced to demonstrate Spanish grammar topics.

Spanish IV
Length: one yr.

Course #066300
Credit: 1

Spanish IV will be conducted primarily through speaking Spanish. It will be a continuation of grammar skills and will include an intensive study of culture, literature and drama of the Spanish-speaking world. An emphasis will be placed on conversation skills and reading interpretation.

English Language Arts Department

(4 credits are required for graduation)

Reading

Length: one sem.

Course #054841

Credit: .5

Reading is a course that builds on students' strengths and addresses their weaknesses in reading comprehension by incorporating exercises in vocabulary, writing, and fluency with daily reading, skills practice, and reading strategies using a variety of print and non-print exercises. Students will be placed into mandatory Reading based off of the following criteria:

8th grade MAP Score of Basic or Below Basic
8th grade EXPLORE test low score in Reading
Low 1st semester grade in English 9
Administration referral

Students who pass the course will not be required to re-take the course. Freshmen who fail the course will be required to take it the first semester of their sophomore year. This course helps meet the 4 English credits required for graduation, but does not meet NCAA core curriculum requirements for eligibility.

Language Arts 9

Length: one yr.

This course will meet the requirement for English 9

Course #054800

Credit: 1

Language Arts 9 presents students with a basic understanding of literature and composition. Literature study includes a combination of fiction and non-fiction of various lengths, as well as poetry and drama. Students participate in oral communication activities through group discussion, literary discussion, and short readings. Students summarize and paraphrase the texts covered, identify literary terms, and analyze characters and their actions. An emphasis is placed on creating and supporting ideas by correctly using basic writing skills. Students will produce a minimum of one piece of long-form writing per semester.

Language Arts 10

Length: one yr.

This course will meet the graduation requirement for English 10

Course #054800

Credit: 1

Language Arts 10 presents literature and composition skills that build upon and expand the concepts learned in Language Arts 9. Literature study continues to include a combination of fiction and non-fiction of various lengths, as well as poetry and drama. Independent work and the ability to clearly provide support for positions with a minimum of errors is emphasized. This course refines basic writing skills, expands grammar study, and develops mechanical usage of the English language. Writing will be structured, and students will produce a minimum of one piece of long-form writing per semester. The Missouri End of Course exam will be taken in the Spring.

Language Arts 11**Course #054800****Length: one yr.****Credit: 1****This course will meet the graduation requirement for English 11**

Language Arts 11 presents an in-depth study of American literature, with an emphasis on reading, writing, and analysis. Once each semester, students complete a research project. Students conduct research using traditional and internet sources, evaluate academic and non-academic sources, and prepare papers that include reference citations. Students' efforts are intended to develop skills necessary to prepare students for post-secondary education or the job market.

College Preparatory Language Arts 11**Course #054800****Length: one yr.****Credit: 1****This course will meet the graduation requirement for English 11**

College Preparatory Language Arts 11 presents a rigorous, in-depth study of American literature, with an emphasis on reading, writing, and analysis. Once each semester, students complete a research project. Students conduct research using traditional and internet sources, evaluate academic and non-academic sources, and prepare papers that include reference citations. Students' efforts are intended to further develop independent skills necessary to prepare students for post-secondary education or the job market.

Language Arts 12**Course #054800****Length: one yr.****Credit: 1**

Language Arts 12 presents an in-depth study of English literature that includes an examination of the history of the English language and the effect those changes have had on modern English. Classic British literature of various genres and time periods are read, analyzed, and viewed in relation to other works. Students are expected to present well-supported arguments regarding the readings and implement research processes when required. Students' efforts are intended to further develop skills necessary to prepare students for post-secondary education or the job market.

College Preparatory Language Arts 12**Course #054800****Length: one yr.****Credit: 1**

College Preparatory Language Arts 12 presents a rigorous, in-depth study of English literature that includes an examination of the history of the English language and the effect those changes have had on modern English. Classic British literature of various genres and time periods are read, analyzed, and viewed in relation to other works. Students are expected to present well-supported arguments regarding the readings and produce researched analysis papers. Students' efforts are intended to further develop independent skills necessary to prepare students for post-secondary education.

Journalism
Length: one yr.

Course #054810
Credit: 1

Journalism is a publications course in which students produce Richmond High School news stories for various publications. Students write, report, edit, layout and design articles using computers to complete desktop publishing requirements. Students must accept and complete assignments that take place after school and on weekends or during vacations. **Enrollment for this class is through an application process.**

Contemporary Literature
Length: one sem.

Course #054822
Credit: .5

Contemporary Literature is a reading course in which students read and explore a variety of recent literary works, including both short stories and novels, from various cultures. Students practice strategies to improve reading comprehension and develop analytical skills through writing.

Creative Writing
Length: one sem.

Course #054805
Credit: .5

Creative Writing is a course in expressive writing in which students hone the English skills they have learned in previous courses. This course requires students to generate clear, accurate, and thoughtful prose. Students are required to read, listen, and analyze their own work and the works of others. This course is for students who are self-directed and motivated, as much of the work is independent in nature. The emphasis in the course is on writing, developing a portfolio, journaling, and participating in group discussion.

The Short Story
Length: one sem.

Course #054827
Credit: .5

The Short Story is a reading course in which students improve reading comprehension and writing skills through the study of short stories. While reading and analyzing short stories by a wide range of authors and from various time periods and nations, students improve personal reading comprehension and deepen their understanding of the literary elements that comprise a short story.

***Composition I (English 1020)**
Length: one sem.
Weighted Course: .5 added value
University of Central Missouri

Course #054800
Credit: .50
Grades 11-12
College/University Credit

Prerequisite: Grades of "C" or better in Language Arts 10-11

Note: The Coordinating Board for Higher Education requires students enrolling in a dual credit course to have a cumulative GPA of 3.0 and to have taken the ACT Test prior to enrollment. (ACT English=18)

Students will learn that writing is a recursive process that includes both revision and editing. Students will be exposed to formal and informal writing, write multiple drafts of essays, and have at least two individual tutorials with the instructor.

Students will learn to write essays with a clearly stated, well-reasoned controlling idea and will develop this idea and its main points logically and support them with relevant examples, details, data, reasons, etc. They will learn

to consider their audience and to organize writing effectively, producing essays that are organized well enough to be easily readable (with a beginning, middle, and end). They will likewise learn to create unified, coherent essays with clearly distinguished and purposely ordered main and subordinate ideas and with purposeful paragraphing and meaningful transitions. Students will learn to write essays with few grammatical errors and none that interfere with comprehension and with minimal punctuation, capitalization, and spelling errors. Students will be taught to write essays that adhere to conventional formatting guidelines. In addition, students will learn to think critically about what they read and use evidence and documentation to bolster their own conclusions. In particular, they will employ formal documentation in order to cite correctly other people's ideas to avoid plagiarism. Students will write essays whose in-text citations and list of sources adhere to conventional formatting guidelines. **There is a tuition fee associated with this course.** For students to receive three hours of college credit, the tuition fee is \$255.00. This tuition fee is subject to change depending on the university's tuition costs. Students will purchase their own textbook for the course. Students will be using the Models for Writers text. (12th edition-ISBN: 978-4576-6784-8)

***Composition II (English 1030)**

Length: one sem.

Weighted Course: .5 added value

University of Central Missouri

Course #054800

Credit: .50

Grades 11-12

College/University Credit

Prerequisite: Taken *Composition I and earned a grade of "C" or better

Note: The Coordinating Board for Higher Education requires students enrolling in a dual credit course to have a cumulative GPA of 3.0 and to have taken the ACT Test prior to enrollment. (ACT English=18)

Students will learn to write essays with a clearly stated, well-reasoned controlling idea and will develop this idea and its main points logically and support them with relevant examples, details, data, reasons, etc. They will learn to consider their audience and to organize writing effectively, producing essays that are organized well enough to be easily readable (with a beginning, middle, and end). They will likewise learn to create unified, coherent essays with clearly distinguished and purposely ordered main and subordinate ideas and with purposeful paragraphing and meaningful transitions. Students will learn to write essays with few grammatical errors and none that interfere with comprehension and with minimal punctuation, capitalization, and spelling errors. Students will be taught to write essays that adhere to conventional formatting guidelines. In addition, students will learn to think critically about what they read and use evidence and documentation to bolster their own conclusions. In particular, they will employ formal documentation in order to cite correctly other people's ideas to avoid plagiarism. Students will write essays whose in-text citations and list of sources adhere to conventional formatting guidelines. **There is a tuition fee associated with this course.** For students to receive three hours of college credit, the tuition fee is \$255.00. This tuition fee is subject to change depending on the university's tuition costs. Students will purchase their own textbook for the course. Students will be using the Signs of Life in the USA text. (seventh edition-ISBN: 978-0-312-64700-1)

***AP English Language & Composition**

Length: one yr.

Weighted Course: 1 added value

Prerequisite: See requirements on page 9.

Fee: exam fee of \$94 (fees subject to change)

Course #054895

Credit: 1

Grades 11-12

AP English Language and Composition is a college-level writing course. Students who take this course will be eligible to take the AP English Language and Composition exam for possible college credit, depending on the student's score and the educational institution's credit acceptance policy. Upon completing the course, students should be able to:

Analyze and interpret samples of good writing, identifying and explaining an author's use of rhetorical strategies and techniques; Apply effective strategies and techniques in their own writing; Create and sustain arguments based on readings, research and/or personal experience; Write for a variety of purposes; Produce expository, analytical and argumentative compositions that introduce a complex central idea and develop it with appropriate evidence drawn from primary and/or secondary sources, cogent explanations and clear transitions; Demonstrate understanding and mastery of standard written English as well as stylistic maturity in their own writings; Demonstrate understanding of the conventions of citing primary and secondary sources; Move effectively through the stages of the writing process, with careful attention to inquiry and research, drafting, revising, editing and review; Write thoughtfully about their own process of composition; Revise a work to make it suitable for a different audience; Analyze image as text; and evaluate and incorporate reference documents into researched papers.

Communication Arts Department

(1/2 credit is required for graduation)

Speech **Course #056500**
Length: one sem. **Credit: .5**
This course can be used as the graduation requirement

Beginning with experience in small group communication and a brief study of interpersonal communication theory, students will practice effective oral communication. A study of oral persuasive techniques will help students' present informative speeches as well as persuasive speeches. Students will be required to present a variety of speeches to their peers. Participation is mandatory.

Debate **Course #056510**
Length: one sem. **Credit: .5**
This course can be used as the graduation requirement

Debate is a more advanced speech class. Students will study two forms of debate, Cross-Examination and Lincoln-Douglas. Debate involves mandatory structured research, evidence cards, speech making, and argumentation for evaluation in front of an audience. The performance nature of this class requires superior attendance of the student. Debate is a more difficult class than the regular Speech class. It is for the self-disciplined student who enjoys researching and thinking critically. Students will be encouraged to join the Debate and Forensics teams that travel to competitions throughout the school year.

Oral Interpretation (Competitive Speech) **Course #056545**
Length: one sem. **Credit: .5**
This course can be used as the graduation requirement

Oral Interpretation is a performance class that will focus on the study of MSHSAA recognized Individual Events (IE) such as Dramatic Interpretation, Humorous Interpretation, Duet, Oratory, and Story Telling. This course is intended for students who have an interest in performance as well as competition at tournaments. Students will be encouraged to join the Speech and Debate teams that are required to attend competitions during the school year.

School Publications (The Echo, Yearbook) **Course #054830**
Length: one yr. **Credit: 1**

Students will master and use skills developed in Journalism. Students will produce The Echo yearbook. Students will write, report, edit, photograph, layout and design a comprehensive yearbook chronicling the school year. Students will use computers to complete yearbook spreads. Students must accept and complete assignments that take place after school and on weekends or during vacations. Enrollment for this class is through an application process.

***Public Speaking**

Length: one sem.

Weighted Course: .5 added value

Course #056501

Credit: .5

Grades 11-12

College/University Credit

This course can be used as the graduation requirement

Prerequisite: Instructor Approval

Note: The Coordinating Board for Higher Education requires students enrolling in a dual credit course to have a cumulative GPA of 3.0 and to have taken the ACT Test prior to enrollment.

Public Speaking is a dual-credit (high school and college) course that will give students the option of enrolling for college credit. The curriculum will follow the university course curriculum. During the course students will study and practice the basic principles involved in discovering, arranging, delivering, and evaluating ideas in speech situations. **There is a tuition fee associated with this course.** For students to receive three hours of college credit, the tuition fee is \$225.00. This tuition fee is subject to change depending on the university's tuition costs.

Mathematics Department

(3 credits of Mathematics are required for graduation including Algebra I, Algebra I taken at Richmond Middle School does not count toward these 3 credits)

Algebra I

Course #115810

Length: one yr.

Credit: 1

This course is required for graduation

This course is a first-year algebra course that covers the content of the Missouri Learning Standards for Mathematics. The Algebra 1 Missouri End of Course Exam will be taken in the spring.

Highlights of the course include:

- **Number & Quantity:** operations with integers; rational and irrational numbers
- **Expressions, Equations and Inequalities:** evaluate expressions; simplify, add, multiply and factor polynomials using the properties of real numbers; solve linear, absolute value and quadratic equations and inequalities; solve systems of linear equations and inequalities in two variables
- **Functions:** recognize and represent linear, quadratic and exponential functions using tables, graphs, words and symbols; identify intercepts, domain and range; develop models for real world situations and analyze the models to solve problems and answer questions that arise from these situations
- **Statistics:** analyze and transform measures of center and variation, properties of data sets, correlation, and use trend lines as mathematical models

Geometry

Course #115830

Length: one yr.

Credit: 1

Prerequisite: Successful Completion of Algebra 1

This course covers the content of the Missouri Learning Standards for Mathematics. Highlights of the course include:

- **Plane Geometric Figures:** properties of parallel and perpendicular lines, triangles, quadrilaterals, other polygons and circles; geometric constructions; using properties to solve problems
- **Reasoning and Proof:** inductive and deductive reasoning; the role of undefined terms, definitions, postulates and theorems in a mathematical system; proving conjectures using geometric and coordinate methods
- **Similarity:** properties of similar figures; proving figures similar; applications
- **Trigonometry:** right triangle trigonometry; Law of Sines; Law of Cosines; applications

- **Geometric Measurement:** perimeter/circumference and area of triangles, quadrilaterals, circles and polygons; surface area and volume of prisms, pyramids, cylinders, cones and spheres
- **Transformational Geometry:** symmetry; reflections; rotations; translations; composite transformations; dilations

Algebra II / Trigonometry

Course #115861

Length: one yr.

Credit: 1

Prerequisite: Successful Completion of Algebra 1 and Geometry

This course is a second-year algebra course that covers the content of the Missouri Learning Standards for Mathematics and prepares students for the required state testing. Highlights of the course include:

- **Number & Quantity:** operations with rational, irrational and complex numbers
- **Algebra:** transform expressions using the properties of real numbers; solve linear, absolute value, quadratic, polynomial, rational, radical, exponential and logarithmic equations and inequalities; solve systems of linear equations and inequalities in two variables; solve systems of nonlinear equations in 2 variables
- **Functions:** recognize and represent linear, quadratic, polynomial, exponential, logarithmic, rational, radical and trigonometric functions using tables, graphs, words and symbols; identify intercepts, domain and range; use functions and their related equations to solve problems; understand how transformations affect the equations, graphs and properties of functions
- **Modeling:** use functions to develop models for real world situations and analyze the models to solve problems and answer questions that arise from these situations
- **Statistics and Probability:** analysis of measures of center and variation; fit function models to data, analyze the fit of the function and solve problems; normal distributions; make inferences and justify conclusions about data collected from samples, experiments, simulations and observation; margin of error
- **Trigonometry:** radian measure, extend the domain of trigonometric functions using the unit circle, use trigonometric ratios and the Law of Sines and Law of Cosines to solve problems

Honors Algebra II / Trigonometry

Course #115861

Length: Full Year

Credit: 1

Prerequisite: Grade of “A” or “B” in Algebra 1 and Geometry and/or Teacher Recommendation

This course follows the same description as Algebra II but will be more rigorous and deepen students’ understanding of the material. This course is geared for students who wish to take higher-level math classes (e.g. College Algebra) during their high school career. Highlights of the course include:

- **Number & Quantity:** operations with rational, irrational and complex numbers

- **Algebra:** transform expressions using the properties of real numbers; solve linear, absolute value, quadratic, polynomial, rational, radical, exponential and logarithmic equations and inequalities; solve systems of linear equations and inequalities in two variables; solve systems of nonlinear equations in 2 variables
- **Functions:** recognize and represent linear, quadratic, polynomial, exponential, logarithmic, rational, radical and trigonometric functions using tables, graphs, words and symbols; identify intercepts, domain and range; use functions and their related equations to solve problems; understand how transformations affect the equations, graphs and properties of functions
- **Modeling:** use functions to develop models for real world situations and analyze the models to solve problems and answer questions that arise from these situations
- **Statistics and Probability:** analysis of measures of center and variation; fit function models to data, analyze the fit of the function and solve problems; normal distributions; make inferences and justify conclusions about data collected from samples, experiments, simulations and observation; margin of error
- **Trigonometry:** radian measure, extend the domain of trigonometric functions using the unit circle, use trigonometric ratios and the Law of Sines and Law of Cosines to solve problems

Probability and Statistics

Course #115875

Length: one sem.

Credit: 0.5

Prerequisite: Successful Completion of Algebra 1

An introduction to probability and statistics. Topics include the concept of probability and its properties, descriptive statistics, discrete and continuous random variables, expected value, distribution functions, the central limit theorem, sampling methods and sampling distributions.

Mathematical Analysis (Pre-Calculus)

Course #115840

Length: one yr.

Credit: 1

Prerequisite: Grades of C or above in Geometry and Algebra II and/or Instructor Approval

Math Analysis provides a foundation for further study of mathematics at the college level. Topics covered include functions, exponents, logarithms, circular functions and their inverses, identities, discrete mathematics and data analysis. This course is recommended for college bound students preparing for a technical or scientific career. This course is also recommended for any student needing a foundation for Calculus.

Trigonometry (Pre-Calculus)**Course #115860****Length: one sem.****Credit: .5****Prerequisite: Grades of C or above in Geometry and Algebra II and/or Instructor Approval**

Trigonometry provides students with a chance to review and extend their knowledge of trigonometry and its applications. This course will further knowledge of topics appropriate to a solid foundation for college. Topics covered include trig identities, equations, graphing (polar and rectangular), trig form of a complex number, word problems, analytic geometry, logs, and, if time permits, an introduction to number theory, probability/statistics, vectors, sequences and mathematical proofs. The topics in this course are extended in the study of Calculus.

Consumer Math**Course #115868****Length: one yr.****Credit: 1****This class is for Seniors ONLY****Prerequisite: Successful Completion of Algebra 1 and one other Math Course. MUST have 2 credits as a Senior to enroll in course. Instructor Approval ONLY.**

Consumer mathematics is a course that covers all the skills students need to manage their personal finances and excel at their first job and in everyday life. Topics covered include personal finance including record keeping, charge accounts and credit cards, housing, insurance, and investments; business math including personnel, production, purchasing, accounting practices, and financial management. This course helps meet the 3 Math credits required for graduation, but does not meet NCAA core curriculum requirements for eligibility.

Introductory Statistics (MAT 111)*Course #115875****Length: one sem.****Credit: .50****Weighted Course: .5 added value****Grades 11-12****Missouri Western State University****College/University Credit**

Prerequisite: Grade of "C" or better in *College Algebra

Note: The Coordinating Board for Higher Education requires students enrolling in a dual credit course to have a cumulative GPA of 3.0 and to have taken the ACT Test prior to enrollment. (Math ACT=22)

MAT 111 is a study of elementary statistics. Topics include descriptive statistics, elementary probability theory, inferential statistics, and tests of statistical hypotheses. **There is a tuition fee associated with this course.** For students to receive three hours of college credit, the tuition fee is \$294.00 with a \$15 registration fee. There is an additional MyStatLab fee of \$136. This tuition fee is subject to change depending on the university's tuition costs.

***Finite Math (MAT 112)**
Length: one sem.
Weighted Course: .50 added value
Missouri Western State University

Course #115810
Credit: .50
Grades: 11-12
College/University Credit

Prerequisite: A or B in previous Math courses and teacher/administrator approval. Math ACT of 22 or higher or a sufficient score on the MWSU Math Placement Exam.

Note: The Coordinating Board for Higher Education requires that dual enrollment students must meet the prerequisite criteria for the course and have at least a cumulative 3.00 GPA.

This course includes linear and quadratic equations, graphs, and functions including exponential and logarithmic functions; mathematics of finance, annuities, sinking funds, and mortgages; linear programming; counting methods; probability and descriptive statistics. This is a collaborative dual enrollment course, taught by the MWSU instructor of record and the approved high school teacher. The parameters of the course content are provided by the University instructor; content is taught by the trained high school teacher. The high school instructor is allowed individuality in grading, but will be trained in how grades are distributed. The University instructor is responsible for submitting final grades for the students' MWSU transcripts. **There is a tuition fee associated with this course.** For students to receive three hours of college credit, the tuition fee is \$294 with a \$15 registration fee. This tuition fee is subject to change depending on the university's tuition costs

***College Algebra (MAT 116)**
Length: one sem.
Weighted Course: .5 added value
Missouri Western State University

Course #115810
Credit: .50
Grades 11-12
College/University Credit

Prerequisite: A or B in previous Math courses and teacher/administrator approval. Math ACT of 22 or higher or a sufficient score on the MWSU Math Placement Exam.

Note: The Coordinating Board for Higher Education requires that dual enrollment students must meet the prerequisite criteria for the course and have at least a cumulative 3.00 GPA.

College Algebra is a dual-credit course offered for high school and/or college credit. It is a more sophisticated study of relationships and function, rational expressions, systems of equations, and graphing than Algebra II. Matrices, determinants, binomial theorem, permutations and combinations, and progressions are also covered. College credit is available for this course. **There is a tuition fee associated with this course.** For students to receive three hours of college credit, the cost is \$294 with a \$15 registration fee. This tuition fee is subject to change depending on the university's tuition costs.

***Trigonometry (MAT 119)**
Length: one sem.
Weighted Course: .50 added value
Missouri Western State University

Course #115860
Credit: .50
Grades: 11-12
College/University Credit

Prerequisite: A or B in previous Math courses and teacher/administrator approval. Math ACT of 22 or higher or a sufficient score on the MWSU Math Placement Exam.

Note: The Coordinating Board for Higher Education requires that dual enrollment students must meet the prerequisite criteria for the course and have at least a cumulative 3.00 GPA.

This course includes trigonometric functions, trigonometric identities, trigonometric equations, solution of triangles, inverse trigonometric functions, and polar coordinates. This is a collaborative dual enrollment course, taught by the MWSU instructor of record and the approved high school teacher. The parameters of the course content are provided by the University instructor; content is taught by the trained high school teacher. The high school instructor is allowed individuality in grading, but will be trained in how grades are distributed. The University instructor is responsible for submitting final grades for the students' MWSU transcripts. **There is a tuition fee associated with this course.** For students to receive two hours of college credit, the tuition fee is \$196 with a \$15 registration fee. This tuition fee is subject to change depending on the university's tuition costs.

***AP Calculus A/B**
Length: one yr.
Weighted Course: 1 added value

Course #115895
Credit: 1
Grades 11-12

Prerequisite: Math Analysis/Pre-Calculus and Trigonometry and/or Instructor Approval. See additional requirements on page 9.
Fee: exam fee of \$94 (fees subject to change)

Before studying Calculus, all students should complete four years of secondary mathematics designed for college-bound students, courses in which they study algebra, geometry, trigonometry, analytic geometry and elementary functions. These functions include linear, polynomial, rational, exponential, logarithmic, trigonometric, inverse trigonometric and piecewise-defined functions. In particular, before studying Calculus, students must be familiar with the properties of functions, the algebra of functions and the graphs of functions. Students must also understand the language of functions (e.g., domain and range, odd and even, periodic, symmetry, zeros, intercepts), and students should know the values of the trigonometric functions at the numbers $0, \frac{\pi}{6}, \frac{\pi}{4}, \frac{\pi}{3}, \frac{\pi}{2}$, and their multiples.

Students should be able to work with functions represented in a variety of ways, including graphical, numerical, analytical or verbal. They should understand the connections among these representations. Students should also:

- understand the meaning of the derivative in terms of a rate of change and local linear approximation and should be able to use derivatives to solve a variety of problems.
- understand the meaning of the definite integral both as a limit of Riemann sums and as the net accumulation of change and should be able to use integrals to solve a variety of problems.
- understand the relationship between the derivative and the definite integral as expressed in both parts of the Fundamental Theorem of Calculus.

- be able to communicate mathematics and explain solutions to problems both verbally and in written sentences.
- be able to model a written description of a physical situation with a function, a differential equation or an integral.
- be able to use technology to help solve problems, experiment, interpret results and support conclusions.
- be able to determine the reasonableness of solutions, including sign, size, relative accuracy and units of measurement.
- develop an appreciation of Calculus as a coherent body of knowledge and as a human accomplishment.

Physical Education and Health Department

(1 credit of PE and 1/2 credit of Health are required for graduation)

All Physical Education courses listed below will count toward the graduation requirement.

Physical Education

Physical Education

Course #086000

Length: one sem.

Credit: .5

General PE is an activities class that will offer a variety of games and team sports as well as individual games and fitness activities. Students will participate in units covering pickle ball, flag football, soccer, softball, volleyball, badminton, floor hockey, basketball, team handball, dodging/fleeing, volleyball, lacrosse, fitness/aerobics/exercise plan, and Frisbee. Students will also complete physical fitness testing each semester. *A school issued lock will be assigned to each student. If lost, the student must pay \$5.

Body Conditioning

Course #086025

Length: one sem.

Credit: .5

There is no prerequisite for this course. Body Conditioning develops life-long skills in the maintenance of a sound and healthy body. Students will learn a progression that includes proper weight lifting techniques and exercises to improve flexibility, muscular power, muscular endurance, muscular strength, agility, and core body strength. Students will repetition test over Squat, Bench, Clean, & Incline. Students will also complete physical fitness testing each semester. This course is recommended for novice or beginning weight lifters. However, advanced weight lifters or athletes can take the course. A **school issued lock** will be assigned to each student. If lost, the student must pay \$5.

Athletic Practice / Conditioning

Course #086020

Length: one sem.

Credit: .5

Prerequisite: student must have permission from his/her sport coach to enroll

Athletic Practice/Conditioning is an advanced, physical performance enhancing class reserved for students who wish to excel in sports. Students who are enrolled in APC are to be a member in good standing with no less than one team sport at Richmond High School. Students should expect to be coached on proper weightlifting mechanics and techniques. Students will need to show improvement in strength levels for optimal success in class. Students must understand that this class is designed to develop athletes in the areas of muscular strength, anaerobic conditioning, discipline and mental toughness. Students who can successfully complete this course will become an asset to their perspective team as an athlete and a leader.

Team Sports
Length: one sem.

Course #086035
Credit: .5

Team Sports is the academic study and psychomotor practice of the science and art of human movement. A holistic approach is taken in teaching physical education concepts which will allow opportunities for students to develop efficient basic motor skills. The fitness psychomotor, cognitive and affective learning domains shall be addressed to maximize the development of the whole person. This course will include team activities that can be used throughout a persons' life. Team Sports that will be covered include Basketball, Floor Hockey, Team Handball, Soccer, Softball, Speedball, Flag Football, Track & Field, Volleyball, and Team Building (Cooperative Activities). This course provides students the opportunities to improve health and fitness by developing an appreciation for teamwork and fair play. Each unit will cover basic skills, rules, and strategies. Strategies include lecture/discussion, modeling videos, cooperative learning and hands-on skill practice. Assessment will be based on observed skill, development game play, attitude, participation, skill tests, written tests and dressing out for participation.

Lifetime Sports
Length: one sem.
\$10 charge for activity fee

Course #086030
Credit: .5

Lifetime Sports is the academic study and psychomotor practice of the science and art of human movement. A holistic approach is taken in teaching physical education concepts which will allow opportunities for students to develop efficient basic motor skills. The fitness psychomotor, cognitive and affective learning domains shall be addressed to maximize the development of the whole person. This course will include team activities that can be used throughout a persons' life. Individual sports that will be covered include table tennis, badminton, handball, horseshoes, disc golf, shuffleboard, pickle ball, bowling, and other fitness activities. Physical fitness will be stressed focusing on flexibility, weight control, nutrition, and aerobic conditioning. Each unit will cover basic skills, rules, and strategies. Strategies include lecture/discussion, modeling videos, cooperative learning and hands-on skill practice. Assessment will be based on observed skill, development game play, attitude, participation, skill tests, written tests and dressing out for participation.

Health

Health
Length: one sem.
This course is required for graduation

Course #085300
Credit: .5

The major goal of Health Education is to arouse in each student an appreciation of the importance of good health habits for zestful living today and for the tomorrow's to come. Topics covered include

1. The dangers of smoking, alcohol, and drug abuse.
2. The problems of obesity and declining fitness in an "affluent" society.
3. An informed and compassionate approach to mental health and mental illness.
4. Obtaining quality medical care, emphasizing prevention of severe illnesses.
5. Human ecology and the health dangers implicit when there is a disregard for environmental quality.
6. World health as the proper concern for every citizen and government.
7. Consumer health protection, spending wisely on health needs and avoiding worthless or dangerous fads and products.
8. Accident prevention, self-protection, and first-aid principles.

Practical Arts Department

(1 ½ credits of Practical Arts are required for graduation including Personal Finance)

Agricultural Education

Three units of Agriculture Science may be used to substitute for one unit of Science. Courses that qualify as Agriculture Science include Ag Science I, Ag Science II, Floriculture, Ag Structures, Animal Science, and Natural Resources.

Agriculture Science I

Length: one yr.

Project costs are paid by student

Course #016710

Credit: 1

This course is designed to introduce the student to animal science, agribusiness, and agricultural mechanics. This course will include careers, leadership, record keeping, and Supervised Agriculture Experience (SAE). Costs of projects will be paid for by the students.

Agriculture Science II

Length: one yr.

Project costs are paid by student

Course #016760

Credit: 1

This course is designed to introduce the student to plant science and build on the competencies learned in Agriculture Science I. Units of study will include leadership, introduction to agribusiness, entomology, soil science, introduction to plant sciences, forestry, and grassland management. Students will expand their current Supervised Agricultural Experience Programs. Students will also continue to explore opportunities offered through the National FFA Organization.

Agriculture Structures

Length: one yr.

Project costs are paid by student

Course #016720

Credit: 1

Agriculture Structures is designed to study basic Agriculture Mechanics principles. These include soil and water management, electricity, concrete, and plumbing. Some shop instruction will include welding and woodworking. This course will also include advanced leadership, record keeping, and Supervised Agriculture Experience (SAE). Costs of projects will be paid for by the students.

Floriculture

Length: one yr.

Course #016763

Credit: 1

This course includes the production of plants, shrubs, and trees for the purpose of transplanting or propagation. This course includes the basic techniques of landscaping design, turf grass management, floriculture, and vegetable production. This course will also include advanced leadership, record keeping, and Supervised Agriculture Experience (SAE). Costs of projects will be paid for by the students.

Food Science and Technology
Length: one yr.

Course #016790
Credit: 1

This course introduces students to careers in food science. Students explore the science of food processing and its relationship to other disciplines like marketing and product development. Units of study include the role of nutrition; the chemistry, physics, and microbiology of food; food sanitation; and the various segments of the food industries. Students will be encouraged to continue their participation in the National FFA Organization and Supervised Agricultural Experience Program (SAE).

Agriculture Construction
Length: one yr.
Project costs are paid by student.

Course #016770
Credit: 1

Agriculture Construction utilizes the skills learned in previous Ag classes to develop and construct small and major projects in the Agriculture Mechanics Lab. This course will also include careers, leadership, record keeping, and Supervised Agriculture Experience (SAE). Students must develop their own projects. Costs of projects will be paid for by the students.

Conservation of Natural Resources
Length: one sem.

Course #016759
Credit: .5

This course prepares students for activities in conservation and/or improvement of natural resources such as water, air, soil, forestry, and wildlife for economic and recreational purposes. This course will also include advanced leadership, record keeping, and Supervised Agriculture Experience (SAE).

Forest Management
Length: one sem.

Course #016762
Credit: .5

This course includes the following aspects of forestry: economic and environmental importance, harvesting equipment and methods, safety, business agreements for the procurement and/or sale of standing timber, surveying and land measurement, scaling and grading, and the equipment and marketing of Missouri wood products. This course will also include advanced leadership, record keeping, and Supervised Agriculture Experience (SAE).

Agricultural Communication & Leadership
Length: one sem.

Course #016742
Credit: .5

Prerequisites: Ag. Science I & II- completed these courses with a grade of a B- or higher OR be a current FFA officer.

This course will enable students to develop the knowledge, attitudes and skills to demonstrate positive leadership for agriculture. Areas of focus include public speaking, extemporaneous speaking, impromptu speaking, written communication, meeting people, good first impressions, personal goals, teamwork, team/organizational goals, organizing groups to take action, and evaluation of team/organizational actions.

Greenhouse Operation and Management **Course #016765**
Length: one yr. **Credit: 1**

This course develops a basic understanding of greenhouse techniques. The production of greenhouse crops will be used to demonstrate procedures such as plants started from cuttings, seeds, grafts, and layering. Students will manage their own crop as a greenhouse project.

Landscaping **Course #016764**
Length: one yr. **Credit: 1**

Landscaping is designed to be taught to juniors and seniors as a one year course. It covers a wide range of topics including: opportunities in the landscaping; how plants grow; hand and power tools; installation and maintenance of trees, shrubs, bedding plants, and ground covers; turfgrass; site analysis and evaluation; plant identification and selection; design elements; landscape plans and blueprints; and cost estimates.

Agribusiness Sales and Marketing **Course #016741**
Length: one sem. **Credit: .5**

Agribusiness is the largest career sector of the United States agricultural economy. A sound understanding of business management and marketing/sales will be crucial to all students after high school. This course is designed to introduce students to Agribusiness and the world of Sales and Marketing as it relates to the Agriculture Industry. This course includes human relations, personal inventory, careers in selling, and other experiences necessary for employment in agribusiness. Students will be engaged in marketing, purchasing, storing, grading, and transporting supplies and products. This course will also include advanced leadership, record keeping, and Supervised Agriculture Experience (SAE).

***Animal Science I (AGR 108)** **Course #016711**
Length: one sem. **Credit: .50**
Weighted Course: .5 added value **Grades 11-12**
Missouri State University **College/University Credit**

Prerequisite: Ag. Science I & II and/or instructor approval

Note: The Coordinating Board for Higher Education requires students enrolling in a dual credit course to have a cumulative GPA of 3.0 and to have taken the ACT Test prior to enrollment. (ACT Composite=21+)

Dual credit from a college or university may be obtained by taking this course. Students enrolled in this course will earn weighted GPA credit. Animal Science is a year-long course that helps students to understand the care, feeding, health, and breeding of livestock and companion animals. This course will include all phases of ownership and management of those animals. This course will benefit most those students who plan to pursue a career in the animal industry. Students will continue a Supervised Agricultural Experience Program (SAE) and will be encouraged to continue their participation in the National FFA Organization. **There is a tuition fee associated with this course.** Students successfully passing this course will earn 1 hour of college credit and one unit of high school credit. Currently, the tuition fee is \$70.00. Tuition is subject to change depending on the university's tuition costs.

***Animal Science II (AGR 108)**
Length: one sem.
Weighted Course: .5 added value
Missouri State University

Course #016711
Credit: .50
Grades 11-12
College/University Credit

Prerequisite: Ag. Science I & II and/or instructor approval

Note: The Coordinating Board for Higher Education requires students enrolling in a dual credit course to have a cumulative GPA of 3.0 and to have taken the ACT Test prior to enrollment.
(ACT Composite=21+)

Dual credit from a college or university may be obtained by taking this course. Students enrolled in this course will earn weighted GPA credit. Animal Science is a year-long course that helps students to understand the care, feeding, health, and breeding of livestock and companion animals. This course will include all phases of ownership and management of those animals. This course will benefit most those students who plan to pursue a career in the animal industry. Students will continue a Supervised Agricultural Experience Program (SAE) and will be encouraged to continue their participation in the National FFA Organization. **There is a tuition fee associated with this course.** Students successfully passing this course will earn 1 hour of college credit and one unit of high school credit. Currently, the tuition fee is \$70.00. Tuition is subject to change depending on the university's tuition costs.

***Agricultural Management (AGR 108 CW1)**
Length: one yr.
Weighted Course: .5 added value

Course #016730
Credit: 1
Grades 11-12
College/University Credit

Prerequisite: Ag. Science I and II and/or instructor approval

Note: The Coordinating Board for Higher Education requires students enrolling in a dual credit course to have a cumulative GPA of 3.0 and to have taken the ACT Test prior to enrollment.
(ACT Composite=21+)

This course combines farm management, agribusiness management, and agricultural economic principles. Computer applications are included to enhance student understanding and utilization of current technology. Units in this course include human relations, verbal and written communications, economic principles, farm and ranch planning, agribusiness functions, and business management. Students will continue a Supervised Agricultural Experience Program (SAE) and will be encouraged to continue participation in the National FFA Organization. **There is a tuition fee associated with this course.** Students successfully passing this course will earn 4 hours of college credit and one unit of high school credit. Currently, the tuition fee is \$280.00. Tuition is subject to change depending on the university's tuition costs.

Business

Personal Finance
Length: one sem.
This course is required for graduation

Course #996400
Credit: .5

Personal Finance is designed to be taught to juniors and seniors one semester course. This finance course applies money and economic concepts to the development of personal financial goals and to the preparation of students for careers in which they plan, manage, and analyze the financial and monetary aspects and success of business enterprises. Skills in money management deal with the study of basic concepts of economics, insurance,

credit, savings, investments, and budgeting—skills needed for productive citizenship. The course may also cover such business financial matters as business cycles, opportunity costs, cost-benefit analysis, methods of financing businesses, stocks and bonds, profit and loss, and others. Better understanding of financial matters gained through this course will provide students information that will help them to avoid bankruptcy, business failure, and the stress and frustration that go with such events and to be financially successful in both personal and business situations.

Business Technology

Course #034330

Length: one year

Credit: 1

This course is designed to help students develop the qualities, knowledge, and skills necessary for working in a business. Students enhance computer application skills as they develop competencies needed by administrative support professionals. The content includes the use of technology to develop communication skills, the performance of office procedures tasks, the production of quality work using advanced features of business software applications, and the production of high quality employment portfolios and job-seeking documents. In addition, this course provides training or skills many employers find deficient dealing with other people, using the telephone, organizing work, and handling other crucial tasks.

Computer Programming

Course #034355

Length: one yr.

Credit: 1

This course focuses on converting problems into detailed plans, writing code into computer language, testing, monitoring, debugging, documenting and maintaining computer programs. Students will also design programs for specific uses. Course Units include: Data Structure Concepts, Logical Problem Solving Skills, Program Algorithms, Additional Programming Concepts, Computer Concepts, and Preparing for Employment.

Web Design

Course #034393

Length: one sem.

Credit: .5

Prerequisite: Business Technology

This course deals with the use of Web programming languages (e.g., HTML, JavaScript), graphics applications, and other Web authoring tools to design, edit, launch, and maintain Web sites and pages. Such topics as Internet theory, Web page standards, Web design elements, user interfaces, special effects, navigation, and emerging Web technologies will be included.

Multimedia

Course #034356

Length: one yr.

Credit: 1

Prerequisite: Business Technology

Students will expand upon web design principles to gain experience in creating and managing the Richmond High School multimedia projects. Students will also manage media files, manage images, create audio files, manage and create animations, create and deliver electronic presentations, and utilize emerging technologies in all aspects of multimedia. Videotaping and broadcasting sporting events through the City Link TV channel will also be included in this course.

Accounting I **Course #034310**
Length: one yr. **Credit: 1**
Articulated Credit through MCC-Maple Woods

This course is designed to build a basic understanding of manual and automated accounting principles, concepts, and procedures. Activities include using the accounting equation, completing the accounting cycle, entering transactions to journals, posting to ledgers, preparing end-of-period statements and reports, managing payroll systems, completing banking activities, calculating taxes, and performing other related tasks.

Accounting II **Course #034312**
Length: one yr. **Credit: 1**
Articulated Credit through MCC-Maple Woods

This course is designed to help students acquire a more thorough, in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Students will develop skills in analyzing and interpreting information common to partnerships and corporations, preparing formal statements and supporting schedules, and using inventory and budgetary control systems.

Fundamentals of Marketing **Course#040001**
Length: one sem. **Credit: .5**

This course is an instructional program for students who are interested in a career in the field of marketing and management. This course includes instructional areas designed to provide an understanding of the fundamental marketing processes and an orientation to the American free enterprise system. Instruction will include an introduction to the fundamentals of the marketing functions, such as selling, buying, pricing, promoting, market research, and management.

Retailing **Course#04006**
Length: one yr. **Credit: 1**

This course is an instructional program that prepares individuals to apply marketing skills in retail establishments. The curriculum will provide a background for the development and operation of a business starting with the role of the entrepreneur in our economy to development of a business plan and the application of specific marketing skills and concepts within the business environment. Students will have hands on responsibility for running RHS School Store and online website. This in includes, learning QuickBooks Pro Retail Business System, inventory tracking, merchandising & e-tailing. Students may be required to attend 1-2 RHS events during non-school hours for school store operations as part of their grade requirement.

Business Economics **Course #034332**
Length: one yr. **Credit: 1**

This course is designed to help students understand economic concepts necessary for their participation in a capitalist system as wage earners, business owners, producers, and investors. Basic economic concepts like supply and demand, competition, growth, and stability are emphasized. Topics include the government's role in the economy, the sharing of economic risks, and the effect of inflation and monetary policies on national and international economic

Entrepreneurship
Length: one sem.

Course #040011
Credit: .5

An instructional program that provides a background for the development and operation of a business starting with the role of the entrepreneur in our economy to development of a business plan and the application of specific marketing skills and concepts within the business environment.

Leadership in the Workplace
Length: one yr.
Grades 11-12 Only By Application.

Course #040019
Credit: 1

This project-based leadership course develops student understanding and skills in such areas as emotional intelligence, professional development, and communication. Students acquire an understanding and appreciation of the need for leadership at school, at home, and in the community. The capstone activity of the course is the implementation of a service-learning project. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course.

Sports and Entertainment Marketing
Length: one sem.
Prerequisite: Marketing Fundamentals

Course #040014
Credit: .5

An instructional program that focuses on marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, selling or renting of supplies and equipment (other than vehicles) used for recreational or sporting purposes, products and services related to hobbies or cultural events, or businesses primarily engaged in satisfying the desire to make productive or enjoyable use of leisure time.

***Personal Finance (FIN 1820)**
Length: one sem.
Weighted Course: .5 added value
University of Central Missouri.

Course #996400
Credit: .5
Grades 11-12
College/University Credit

This course may be used to meet the Personal Finance Graduation Requirement

Prerequisite: Instructor Approval

Note: The Coordinating Board for Higher Education requires students enrolling in a dual credit course to have a cumulative GPA of 3.0 and to have taken the ACT Test prior to enrollment.

Personal Finance is a dual-credit (high school and college) course that will give students the option of enrolling for college credit. The curriculum will follow the university course curriculum. This finance course applies money and economic concepts to the development of personal financial goals and to the preparation of students for careers in which they plan, manage, and analyze the financial and monetary aspects and success of business enterprises. Skills in money management deal with the study of basic concepts of economics, insurance, credit, savings, investments, and budgeting—skills needed for productive citizenship. The course may also cover such business financial matters as business cycles, opportunity costs, cost-benefit analysis, methods of financing businesses, stocks and bonds, profit and loss, and others. Better understanding of financial matters gained through this course

will provide students information that will help them to avoid bankruptcy, business failure, and the stress and frustration that go with such events and to be financially successful in both personal and business situations. **There is a tuition fee associated with this course.** For students to receive their 3 hours of college credit, the tuition fee is \$255.00. This tuition fee is subject to change pending the university's tuition costs.

Science Department

(3 credits of Science are required for graduation including Biology)

Physical Science
Length: one yr.

Course #135010
Credit: 1

Physical Science is a lecture and laboratory course in which note taking is required. This course covers the study of matter and energy, radioactivity, atomic energy, fundamentals of chemistry, force and motion, wave motion, and the electromagnetic nature of matter. All 9th graders are enrolled in Physical Science.

Biology
Length: one yr.

Course #134200
Credit: 1

This course is required for graduation

Biology, the study of life, is a lecture and laboratory course with note taking required. The study begins with the chemistry of life, followed by the cell, tissues, organs, systems, and organisms, genetics of living things, a study of the animal kingdom and of the plant kingdom. This is a course that serves all students, and is generally regarded as a required course for anyone who is going to college. It serves as the foundation for anyone entering a science occupation. All 10th graders are enrolled in Biology, and the Missouri End of Course Exam will be taken in the spring.

Chemistry
Length: one yr.

Course #134600
Credit: 1

Chemistry I is a course that emphasizes understanding chemical principles and their application. This course is necessary for any student pursuing a career in science, agriculture, or medicine, and it is recommended for all college bound students. Topics of study will include the following: structure and properties of matter, chemical elements and the periodic table, types of compounds, types of chemical reactions, chemical equilibrium, and acid/base reactions. Lecture, note taking, and problem solving will be supplemented by demonstrations and laboratory practice.

Consumer Science
Length: one yr.

Course #136000
Credit: 1

Consumer Science is an interdisciplinary lab science course that teaches science in context through issues and topics surrounding work, home, society, and the environment. Course materials engage students in cooperative teams, allowing the students to participate in laboratory-centered, hands-on activities that make science concepts practical and relevant. Problem solving, decision-making, and hands-on learning are emphasized. This course helps meet the 3 Science credits required for graduation, but does not meet NCAA core curriculum requirements for eligibility.

Physiology & Anatomy
Length: one yr.

Course #134221
Credit: 1

Human Anatomy and Physiology is a detailed study of the ten systems of the human body. This course is a lecture and laboratory course requiring a great deal of memorization. Laboratory dissections are required. This is an excellent course for students interested in careers in the medical sciences/health occupations, athletics, zoology, and other fields that relate to the human body and how it functions.

Zoology
Length: one yr.

Course #134220
Credit: 1

Invertebrate Zoology comprises the first semester of this course. Students will study the invertebrate animals in detail. Various representatives from the invertebrates will be compared in their anatomy through dissections. Students will be researching the natural histories, structure, function and reproduction of various animal groups, reporting their research to the class, and use various lectures and laboratories to supplement their study. During the second semester the focus will be on Vertebrate Zoology. Students will study the vertebrate animals in detail. Various representatives from the vertebrates will be compared in their anatomy through dissections. Students will be researching the natural histories, structure, function and reproduction of various animal groups, reporting their research to the class, and use various lectures and laboratories to supplement their study.

Chemistry II
Length: one yr.

Course #134600
Credit: 1

Prerequisite: Successful completion of Chemistry

This class is designed to review and expand upon the principles of Chemistry I. Additional topic will include electrochemistry, coordination of compounds, organic chemistry, biochemistry, nuclear chemistry, and thermodynamics. Lecture, note taking and problem solving will be supplemented by demonstration, laboratory practice and research papers.

***Principles of Biology (BIO 101)**
Length: one yr.
Weighted Course: .50 added value
Missouri Western State University

Course #134200
Credit: 1
Grades: 11-12
College/University Credit

Prerequisite: A or B in previous Science courses and teacher/administrator approval.

Note: The Coordinating Board for Higher Education requires that dual enrollment students must meet the prerequisite criteria for the course and have at least a cumulative 3.00 GPA.

This is an introductory course on the principles of living phenomena including the chemistry of life, cells, tissues, organs, systems, organisms, genetics of living things, and a study of the animal and plant kingdoms. It is a collaborative dual enrollment course, taught by the MWSU instructor of record and the approved high school teacher. The parameters of the course content are provided by the University instructor; content is taught by the trained high school teacher. The high school teacher is allowed individuality in grading, but will be trained in how grades are distributed. The University instructor is responsible for submitting final grades for the students' MWSU transcripts. **There is a tuition fee associated with this course.** For students to receive four hours of college credit, the tuition fee is \$392

with a \$15 registration fee. This tuition fee is subject to change depending on the university's tuition costs.

*General Chemistry I (CHE 111)	Course #134600
Length: one yr.	Credit: 1
Weighted Course: .50 added value	Grades: 11-12
Missouri Western State University	College/University Credit

Prerequisite: A or B in previous Science courses and teacher/administrator approval. Math ACT of 22 or higher or a sufficient score on the MWSU Math Placement Exam.

Note: The Coordinating Board for Higher Education requires that dual enrollment students must meet the prerequisite criteria for the course and have at least a cumulative 3.00 GPA.

This course includes the basic concepts of chemistry: atomic theory and periodic system, chemical calculations, oxidation-reduction, states of matter, theory of chemical bonding, atomic structures. This is a collaborative dual enrollment course, taught by the MWSU instructor of record and the approved high school teacher. The parameters of the course content are provided by the University instructor; content is taught by the trained high school teacher. The high school instructor is allowed individuality in grading, but will be trained in how grades are distributed. The University instructor is responsible for submitting final grades for the students' MWSU transcripts. **There is a tuition fee associated with this course.** For students to receive five hours of college credit, the tuition fee is \$490 with a \$15 registration fee. This tuition fee is subject to change depending on the university's tuition costs.

*AP Physics 1	Course #135395
Length: one yr.	Credit: 1
Weighted Course: 1 added value	Grades 11-12
Prerequisite: Students must have taken or be enrolled in Trigonometry and must have teacher approval. See additional requirements on page 9.	
Fee: exam fee of \$94 (fees subject to change)	

Physics is an introductory course in physics designed for students planning to attend college and major in a science, engineering, medical or math-related field. Material covered will include mechanics, Newton's laws, energy, momentum, velocity, acceleration, force vectors, work, power, motion along a curved path, heat, light, wave theory, sound, and electromagnetic theory. Lecture and problem solving are supplemented by demonstration and laboratory experiments.

*AP Biology	Course #134295
Length: one yr.	Credit: 1
Weighted Course: 1 added value	Grades 11-12
Prerequisite: The AP Biology course is an option for any student who has completed two years of high school laboratory science—one year of life science and one year of physical science (e.g., a year of biology and year of chemistry). Due to the quantitative analysis that is required in the course, students should also have taken at least one year of algebra. See page 9 for additional requirements.	
Fee: exam fee of \$94 (fees subject to change)	

AP Biology discusses the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

Social Studies Department

(3 credits of Social Studies are required for graduation)

American History

Length: one yr.

This course is required for graduation

Course #156661

Credit: 1

American History is a chronological survey course of American historical development from the Reconstruction Era to the present. Through class discussions and the analysis of primary and secondary sources, students will analyze the historical continuity and change that has occurred throughout the United States' history. Topics examined in this course include, but are not limited to: Reconstruction, Westward expansion, industrialization, immigration, American imperialism, the World Wars, the Great Depression, the Cold War, and the modern United States

Geography

Length: one sem.

Course #156640

Credit: .5

Geography is a comprehensive study of the Physical and Cultural aspects of the world. It includes the physical features of the Earth, map reading, and the cultural development of various regions of the world. An emphasis is placed on the use of maps in various applications and geography as a tool in the understanding of history, economics, and the cultures of the regions of the world.

World History

Length: one yr.

This course is required for graduation.

Course #156663

Credit: 1

World History provides a broad overview of the development of human cultures from the Renaissance to the rise and fall of modern nation-states. The diverse historic, economic, political, religious, and social systems of various cultures will be studied. An overall emphasis will be placed on western civilization and how its culture has developed.

American Government

Length: one yr.

This course is required for graduation

Course #156651

Credit: 1

Government is a course designed to acquaint the student with the basic components of the United States government and the government of the State of Missouri, including the structure of government as set forth in the state and national constitutions, the purpose and functions of each of the three branches of government, and the duties of elected officials. The importance of the student's role as a United States citizen is stressed along with the relationship to laws of the local, state, and national government. Students must pass tests over the Missouri Constitution and United States Constitution.

Psychology
Length: one sem.

Course #156100
Credit: .5

Psychology is a course designed to help students better understand themselves and others. Topics to be studied include mental and emotional illness/health, personality, how humans learn, sleep and dream, the central nervous system memory and thinking, and the treatment of mental illness.

Sociology
Length: one sem.

Course #156670
Credit: .5

Sociology is a general survey on social interaction. Included in this course is a study of the nature of organization and activities of human groups, including families, communities, crowds, and social classes. Another area studied will be social influence on the shaping of personalities, behavior, and social change.

Contemporary Issues
Length: one sem.

Course #156620
Credit: .5

This course examines current issues as they relate to the United States and the world. Topics will include challenges and conflicts facing the world today. Students taking this course should plan to do independent research and participate in class discussions.

***European History to 1600 (HIST 201)**
Length: one sem.

Course #156667
Credit: .5

Weighted Course: .5 added value

Grades 10-12

University of Missouri-Kansas City

College/University Credit

This course will meet the graduation requirement for the 1st semester of World History when teacher/administrator approval is given to the 10th grade student

Prerequisite: A or B in previous Social Studies courses and teacher/administrator approval

Note: The Coordinating Board for Higher Education requires that dual enrollment students must meet the prerequisite criteria for the course and have a cumulative 3.0 GPA or a 21 ACT composite score.

This course surveys the political, social and cultural history of Europe from ancient times to 1600. Beginning with a brief description of the riverine civilizations of the ancient Near East, the course then examines the political and cultural evolution of classical Greco-Roman civilization, the medieval world, the rise of the national state, and the essential characteristics of the eras of the Renaissance and Reformation. **There is a tuition fee associated with this course.** For students to receive three hours of college credit, the tuition fee is \$272.25. This tuition fee is subject to change depending on the university's tuition costs.

***AP United States History**

Course #156295

Length: one yr.

Credit: 1

Weighted Course: 1 added value

Grades 10-12

Prerequisite: A or B in American History and teacher approval. See page 9 for additional requirements.

Fee: exam fee of \$94 (fees subject to change)

This course will meet the graduation requirement for American History

The AP U.S. History course focuses on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and an understanding of content learning objectives organized around seven themes, such as identity, peopling, and America in the world. In line with college and university U.S. history survey courses' increased focus on early and recent American history and decreased emphasis on other areas, the AP U.S. History course expands on the history of the Americas from 1491 to 1607, from 1980 to the present, and will highlight nine other periods of U.S. history. This course will present an expanded version of the regular American History curriculum, involve rigorous study and analytical writing, and delve deeper into U.S. History. Students that take this course will be eligible to take the AP U.S. History Exam for possible college credit, depending on the student's score and the educational institution's credit acceptance policy.

***AP U.S. Government & Politics**

Course #156795

Length: one yr.

Credit: 1

Weighted Course: 1 added value

Grades 11-12

Prerequisite: A or B in World History and teacher approval. See page 9 for additional requirements.

Fee: exam fee of \$94 (fees subject to change)

This course will meet the graduation requirement for American Government

The AP U.S. Government and Politics course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It will also cover the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. This course will present an expanded version of the regular American Government curriculum, involve rigorous study and analytical writing, and delve deeper into the government and politics of the U.S. and Missouri. Students that take this course will be eligible to take the AP U.S. Government and Politics Exam for possible college credit, depending on the student's score and the educational institution's credit acceptance policy. Students must pass tests over the Missouri Constitution and United States Constitution.

Non-Departmental Courses

ACT Preparation
Length: one sem.

Course #994025
Credit: .5

Prerequisite: GPA of 3.0 and above OR PLAN score of 16 and above OR teacher approval. Student must take the ACT while enrolled in the course.

ACT Review is designed to help college-bound students be successful on the ACT test and/or raise their scores. Useful test-taking strategies will be studied. ACT sample tests will be given and discussed at length. Students will also develop a strong academic vocabulary. Research into colleges and scholarships of interest will also be integrated into the course.

***Community Leadership I**
Length: one yr.
Weighted Course: .5 added value
Drury College

Course #991015
Credit: 1
Grades 10-12
College/University Credit

Prerequisite: Instructor Approval

Note: The Coordinating Board for Higher Education requires students enrolling in a dual credit course to have a cumulative GPA of 3.0 and to have taken the ACT Test prior to enrollment.

In this class, students will study leadership and how it relates to the individual, the team and the community. The interdependent relationship between leaders, followers, and creating positive change will be considered. Students will investigate their personal strengths and challenges in leadership, seek to understand how leadership relates to group effectiveness, and explore community issues and local resources. A variety of leadership theories will be explored with an emphasis on the social change model of leadership development. This course includes a service-learning project. The weighted value of this course is earned after a full year of participation in the course.

***Community Leadership II**
Length: one yr.
Weighted Course: .5 added value
Drury College

Course #991015
Credit: 1
Grades 11-12
College/University Credit

Prerequisite: Instructor Approval and Completion of Community Leadership I

Note: The Coordinating Board for Higher Education requires students enrolling in a dual credit course to have a cumulative GPA of 3.0 and to have taken the ACT Test prior to enrollment.

In this class, students will further the discussion of leadership theory with the statement "Let's change the world." To develop a personal philosophy of global leadership, student leaders will be mindful of the role of diversity of our increasingly multi-cultural society and the manner in which issues of environment and sustainability relate to global leadership. The weighted value of this course is earned after a full year of participation in the course.

Off-Campus Programs

Cadet Teaching Program

Cadet Teaching

Course #999915

Length: one sem.

Credit: .50

Prerequisite: 3.0 GPA, 95% attendance average, no truancy or tardiness concerns, maintain good citizenship standards, teaching supervisor not related to the student. **Membership in Future Educators of America (FEA) is required.**

Cadet Teaching is a School-to-Career elective course that provides students with an opportunity to work with and for professional teachers in order to gain a realistic insight into the teaching profession. The cadet teacher will perform most duties under the direction of a teacher within the Richmond R-XVI School District. The duties may include teaching individual students, teaching groups of students, grading papers, recording grades, designing bulletin boards, and developing lesson plans. The cadet teacher will also develop a portfolio of information about the teaching profession, including job availability, salaries, procedures, role of the various types of teachers, role of the various types of administrators, role of the Board of Education, curriculum development, and education funding. Interviews with teachers and administrators regarding the teaching profession will also be required. The portfolio will be evaluated by the Supervisor of Cadet Teaching on a regular basis.

Non-Credit Courses

****A senior student may not enroll in more than one non-credit bearing course per semester****

Student Aide (Teacher's Aide)

Course #992000

Length: one sem.

Credit: None

Grade 12

Prerequisite: Teacher recommendation

Students remain on campus in the assigned teacher's classroom.

A+ Peer Tutoring

Course #: 992010

Length: one sem.

Credit: None

Grade 12

Prerequisite: 2.5 GPA, 95% attendance average, A+ Agreement Signed, see page 11 for additional requirements.

To qualify for A+ Program certification, students must complete 55 hours of tutoring. This course provides students with the structure to schedule and perform the needed hours of tutoring. The A+ Coordinator will approve the placement of each A+ Tutor. Students will keep a DAILY log of tutoring hours. Logs will be kept on file with the A+ Coordinator. The A+ Tutoring Experience is to be completed in one semester. **This course may not be repeated. There is enough time in one semester to attain the 55 hours of tutoring required for the program.**

Lex La-Ray Technical Center Lexington, MO

(All classes meet daily for 3 class periods)

District-provided bus to and from Lexington leaves at approx. 11:30 am from RHS.

Students must secure transportation home from Richmond High School.

Auto Mechanics
Two year course
Grades 11-12

Course #170302
Credit: 3 per year

Upon successful completion of two years, a student may earn 4 practical arts credits, 1 math credit, and 1 communication arts credit.

NOTE: This course is designed for students with a strong desire to become a quality technician for the vehicles of the future or to work in an automotive related field.

Instruction will include understanding and repairing all major systems of an automobile. Students will work with a computerized 4-wheel alignment system, a Hunter front-end alignment system, electronic and computerized ignitions diagnostic equipment, a Coats tire changer, AMOCCO brake lathe, starter and alternator test bench and a computerized wheel balancer. This course is divided into two years of training. Each year the course is rotated. The first year consists of studying the following topics: Introduction of Auto Mechanics, Engine Theory, Engine Performance, Pre-employment, Electricity, Fuel Systems, Cooling Systems, and Lubrication Systems. The second year consists of studying these additional topics: Brake Systems, Front Suspension and Steering Systems, Power Trains, and Air Conditioning. Seniors may work in an "on-the-job" training position for four weeks during the last quarter in an area professional automotive shop.

Carpentry
Two year course
Grades 11-12

Course #171001
Credit: 3 per year

Upon successful completion of two years, a student may earn 4 practical arts credit, 1 math credit, and 1 communication arts credit.

The Building Trades/Cabinet Making program is designed for students who want to work in the building trades field upon graduation from high school. Students receive training in rough-in framing, finishing work, drywall application, cabinet making, finish trim, concrete finishing, painting, ceramic tile applications, plumbing and electrical wiring. Students also receive related information needed by actually constructing a residential home.

Early Childcare Professions
Two year course
Grades 11-12

Course #096831
Credit: 3 per year

Upon successful completion of two years, a student may earn 4 practical arts credit, 1 math credit, and 1 communication arts credit.

The Child Care program will prepare students for entry into the workforce or a college degree program to pursue a career as an early childhood professional. The course will be structured around the Child Development Associate (CDA) national credentialing program. Students will acquire skills in child growth and development, nutrition, program planning and management, safety, behavior, guidance, recreational and play activities, child abuse and neglect, parent-child relationships, learning experiences for children, and maintenance of children's environment. Laws, regulations and policies related to child care services and maintenance of children's environment will be covered. Students will have the opportunity to apply skills learned in lab setting through observation/participation in public schools and day care centers.

Auto Body Repair
Two year course
Grades 11-12

Course #170301
Credit: 3 per year

Upon successful completion of two years, a student may earn 4 practical arts credit, 1 math credit, and 1 communication arts credit.

Students learn all aspects of collision repair including the science of Unibody repair and print and plastics technology. Students also learn steel and sheet metal repair, glass replacement, painting and refinishing, fiberglass and plastic, unitized body sectioning, body filling techniques and surface preparation.

Welding Technology
Two year course
Grades 11-12

Course #172306
Credit: 3 per year

Upon successful completion of two years, a student may earn 4 practical arts credit, 1 math credit, and 1 communication arts credit.

The Industrial Welding I and II programs have been developed to train students in the latest welding technologies and prepare them to meet the challenges of a welding career. These training programs include Arc Welding and Cutting, Oxyfield Gas Welding and Arc Welding (TIG), Plasma Arc Welding, blueprint reading application, and actual metal fabrication. Welding II includes the "fine-tuning" of the previous skills as well as further training in other welding methods. Additional training will be given in the proper use of the equipment common to the welding shop including the iron worker, plate shears, chop saw, drill press, band saw, and track cutting equipment.

Computer Servicing Technology
Two year course
Grades 11-12

Course #173101
Credit: 3 per year

Prerequisite: Basic Computer Applications course OR a demonstrated knowledge of personal computers; ability to read and follow detailed technical instructions

Upon successful completion of two years, a student may earn 4 practical arts credit, 1 math credit, and 1 communication arts credit.

Computer Maintenance and Networking is a two year course of study that offers the student the opportunity to acquire skills and knowledge in computer networking, applications and support. Students work with peers and mentors from industry to design, build and maintain Local and Wide Area Networks. They also provide computer training and support for staff and students of Lex-La-Ray. Students will have opportunity to troubleshoot and repair computer hardware and software problems; install and configure computer hardware and software; diagnose and resolve printer problems; staff the computer help-desk to provide computer support. The nature of this class will require strong communication skills and the ability to work in a team. Students may be asked to travel off campus to other schools to perform computer support services during and after regular class hours. Class size is limited to: 20 students in the morning session.

Health Service Aide
Two year course
Grades 11-12

Course #070906
Credit: 3 per year

Upon successful completion of two years, a student may earn 3 practical arts credit, 1 math credit, 1 science credit, and 1 communication arts credit.

Health Occupations students spend the first semester in the classroom laboratory practicing the procedures for patient care: measuring temperature, pulse, blood pressure, sterile techniques, personal hygiene, and other basic skills. During the second semester students select from the following health care areas: radiology, laboratory, pharmacy, physical therapy, child care, veterinary offices, public health, dietary, emergency room, dental offices, or other areas of interest. Classroom work includes long-term care procedures, structure and function of the human body, medical terms, pre-employment preparation, personal health and hygiene, field trips and visits with Health Care Professionals. Students are given the option of being certified in CPR, First Aid, and as a Certified Nursing Assistant (CNA) for a long-term care facility. Second-year students will gain practical experience conducted out of the regularly-supervised classroom by working in a health-related position of their choice.

Culinary Arts/Chef Training
Two year course
Grades 11-12

Course #096804
Credit: 3 per year

Upon successful completion of two years, a student may earn 4 practical arts credit, 1 math credit, and 1 communication arts credit.

Culinary Arts is available to 11th and 12th grade students. The focus of study in culinary arts will be food service terminology, equipment identification and use, knife skills, and basic food preparation. This class is designed to prepare students to create restaurant quality meals. Successful completion of this course will prepare students for entry-level positions in full-service restaurants, hotels, and continued education in a culinary program at the college level.