

2010-2011

Blue Springs High School  
2000 NW Ashton Drive  
Blue Springs MO 64005  
816.229.3459

Blue Springs South High School  
1200 SE Adams Dairy Parkway  
Blue Springs MO 64004  
816.224.1315

Blue Springs Freshman Center  
2103 NW Vesper  
Blue Springs MO 64005  
816.224.1325

## BLUE SPRINGS SCHOOL DISTRICT HIGH SCHOOL COURSE DESCRIPTION GUIDE



# HIGH SCHOOL PROGRAM OF STUDIES 2010 - 2011 COURSE DESCRIPTION BOOK

## Blue Springs R-IV School District

Grades 9, 10, 11, & 12

[www.bssd.net](http://www.bssd.net)

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## PURPOSE

This Course Description Book has been developed for the students and parents in the Blue Springs School District to present important information about programs and courses offered at the high school campuses. Students and parents should be able to combine the information in the guidebook with advice received from teachers, counselors, and administrators in order to make decisions about courses that will provide students with the education they need for their future plans. Students and parents are encouraged to keep this guidebook as a handy reference to use throughout the school year. The web address is <http://www.bssd.net>.

**Courses listed in this guide exceed the number of courses that ultimately will be offered. Only those with a sufficient number of students enrolled will be placed in the master schedule.**

## BLUE SPRINGS R-IV SCHOOL DISTRICT MISSION STATEMENT AND PHILOSOPHY

**Mission Statement:** The mission of the Blue Springs School District is to create an educational community in which each individual acquires knowledge, develops skills, and functions as a literate citizen to achieve personal goals.

**Philosophy:** The Blue Springs School District is dedicated to the proposition that each child in the district, regardless of sex, economic or social status, geographic location, race or individual difference, should experience a broad and balanced education. In order to accomplish this goal, a variety of programs and teaching methods will be employed to meet the various needs and differences in the abilities of the students. The objective of the Blue Springs School District is to establish a program to deal with each student's special gifts, and to allow each student an opportunity to attain maximum achievement.

## NOTICE OF NON-DISCRIMINATION

The Blue Springs School District does not discriminate on the basis of race, color, national origin, sex, religion, social economic status, disability, or age in its programs and activities. The following persons have been designated to handle inquiries regarding the non-discrimination policies:

Student Disability Inquiries:	Mr. Randy Laskowski, Assistant Director Special Education 1801 NW Vesper, Blue Springs, MO 64015 (816) 224-1300
Student & Employee Inquiries:	Dr. Nancy Stonner, Assistant Superintendent, Human Resources 1801 NW Vesper, Blue Springs, MO 64015 (816) 224-1300
Facilities Inquiries:	Mr. Will Cumberford Director of Buildings & Grounds 1801 NW Vesper, Blue Springs, MO 64015 (816) 224-1300

## SCHOOLS: ADDRESSES/PHONE NUMBERS

Blue Springs South High School 1200 SE Adams Dairy Parkway Blue Springs, MO 64014 816.224.1315	Blue Springs Freshman Center 2103 NW Vesper Blue Springs, MO 64015 816.224.1325	Blue Springs High School 2000 NW Ashton Drive Blue Springs, MO 64015 816.229.3459
Grades 10, 11, 12	Grade 9	Grades 10, 11, 12

## PLANNING AND POLICIES

Students are encouraged to use this course description book to carefully create a Personal Plan of Study that will assist them in reaching their educational and occupational goals.

We suggest that you:

- Review all requirements for graduation
- Read the information on career paths
- Read all information given about each course
- Complete a 4-year Personal Plan of Study
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## REQUIREMENTS FOR GRADUATION

**ATTENDANCE:** According to Board of Education Policy #5.45, eight semesters of attendance are required of all students in the Blue Springs School District.

**U.S. AND MISSOURI CONSTITUTION TESTS:**

Students must pass the U.S. Constitution test and the Missouri Constitution test in order to graduate.

## CLASS OF 2011

Communication Arts (English I or English Lit & Comp, English II or World Lit, English III or American Lit (AP Language) and Speech/Communication, & ½ elective in CA).....	4
Social Studies (Geography ½ Unit, American Government ½ Unit, World History 1 Unit US History 1 Unit .....	3
Math (minimum Algebra) .....	3
Science (1 Unit Physical, 1 Unit Biological, 1 Additional Unit) .....	3
Practical Art (Business, FACS, Marketing, Yearbook, Project Lead the Way, Industrial Ed, Career & Technical Class).....	1
Fine Art (Music, Art, Drama, or Forensics).....	1
Physical Education .....	1
Health .....	1/2
Personal Finance .....	1/2
Electives .....	7
<b>TOTAL CREDITS</b> .....	<b>24</b>

## CLASS OF 2012 and Beyond

Communication Arts (English I or English Lit & Comp, English II or World Lit, English III or American Lit (AP Language) and English IV or equivalent English classes).....	4
Social Studies (Geography ½ Unit, American Government ½ Unit, World History 1 Unit US History 1 Unit .....	3
Math (must include 1 Unit in Algebra & 1 Unit in Geometry).....	3
Science (1 Unit Physical, 1 Unit Biological, 1 Additional Unit) .....	3
Practical Art (Business, FACS, Marketing, Yearbook, Project Lead the Way, Industrial Ed, Career & Technical Class).....	1
Fine Art (Music, Art, Drama, or Forensics).....	1

Physical Education .....	1
Health .....	1/2
Personal Finance .....	1/2
Electives (must include ½ credit in a technology class & ½ credit in a speech class) .....	7

**TOTAL CREDITS.....24**

### **Speech Requirement Courses (2012 and Beyond)**

Communications  
Debate  
Forensics  
Introduction to Theater

### **Technology Requirement Courses (2012 and Beyond)**

Introduction to Engineering  
Principles of Engineering  
Computer Applications/Advanced Computer Applications  
Business Technology  
Desktop Multimedia  
Video Technology/Video Production  
Beginning C++ Programming  
AP Computer Science  
Marketing I  
Computer Composition

\*There may be additional courses that will fulfill the technology requirement, such as a CTC or Summit Tech course.

Please see your counselor for more specific information.

## **PREREQUISITES**

Certain courses have prerequisites that must be fulfilled for a student to enroll properly. The prerequisite courses offer skills that must be mastered in order to be successful in subsequent courses.

## **RECOMMENDED COURSES OF STUDY**

Various departments have recommended courses of study. These recommendations provide guidance to the vast majority of Blue Springs School District students. **There may be special situations or circumstances that would suggest deviations from those recommendations (i.e. a student transfers in from a language magnet school.)** Students, parents, and staff should exercise care and prudence when deviating from those recommendations. If a student believes his or her best interest will be served by varying from the recommended courses of study, he or she should consult their parents and counselor.

## **INDIVIDUALIZED COURSE SEQUENCING**

Exceptions to course sequencing can be made to individualize a student's educational experience. If a student, due to summer courses or individual learning experiences, feels he or she may qualify for individualized course sequencing, he or she may take a skills and knowledge placement inventory or participate in an interview with the department chair. Placement in the desired course will depend on availability of space in the course. Minimum requirements must be met to advance to a higher-level

course. The department chair or instructional coach will complete the evaluation and give the request to the counselors subject to administrative approval.

## GRADE PLACEMENT AND CREDIT INFORMATION

Classification for the class of 2011 will be made according to units or credits earned by the first of each school year (as per board policy #5.43). Students will be classified as follows:

Sophomore	5 – 9 ½ Units of Credit
Junior	10 – 15 ½ Units of Credit
Senior	16 Units of Credit and Over

Classification for the class of 2012 and beyond will be made according to units or credits earned by the first of each school year (as per board policy #5.43). Students will be classified as follows:

Sophomore	6- 10½ Units of Credit
Junior	11-16½ Units of Credit
Senior	17 Units of Credit and Over

## ACCEPTANCE OF OUTSIDE CREDITS

### Definition

An outside credit is defined as any credit earned by completing a correspondence course, by attending another accredited district's night school, a home-school class, or by attending another accredited school district's summer school.

Credits earned by attending a Blue Springs high school summer school, night school program, or computer-based NovaNET and PLATO are not classified as outside credits. MOVIP credits do not count as outside credits.

### Regulations

1. The **maximum number of outside credits**, which may be counted toward the total credits required to graduate from a Blue Springs high school, is three units of credit (6 semester courses).
2. No more than two outside credits (4 semester courses) may be counted in any one school year.
3. The principal and/or counselor may request a copy of the course syllabus, tests, and method of grade determination for any outside credit courses prior to accepting these as appropriate for fulfilling the graduation requirements of the Blue Springs School District.
4. A consultation with the high school counselor is recommended prior to enrolling in any courses taken outside of the regular school day.

## TRANSFER CREDITS

In order to be eligible for a diploma from a Blue Springs school, a transfer student must: 1.) earn a total of 24 credits for classes of 2011, and beyond, and 2.) successfully complete all specific Blue Springs graduation requirements.

The district reserves the right to administer tests to determine acceptance of high school credits in order to graduate from a Blue Springs high school (Board of Education Policy #5.33).

**Weighted courses for students transferring into the district high schools will only be given honor points for college credit and AP courses offered at the Blue Springs high schools** (i.e. Advanced Placement Italian will not receive an Honor Point as it is not available in the Blue Springs District).

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## YOUR CHOICES AFTER HIGH SCHOOL

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### **ON-THE-JOB TRAINING**

Some occupations do not require training prior to employment; rather additional training and skills required beyond high school are provided by the employer.

### **APPRENTICESHIP**

Apprenticeship is a three to four-year training program in which money is earned during the learning process, while working on the job. A license is received at the end of training. Examples of trades that use apprenticeship are bricklaying, jewelry making, electrical repair, etc.

### **CAREER TECHNICAL SCHOOL (VOCATIONAL)**

Programs at these schools are generally from one month to four years in length. Examples of vocational technical programs include practical nursing, robotics, and some areas of business.

### **COMMUNITY/JUNIOR COLLEGE**

Community colleges offer two-year “degree” vocational training, associates degrees, or credit transfer to a college or university where a bachelor’s degree can be pursued. Most community colleges have an open enrollment policy for high school graduates and individuals with GED’s.

### **COLLEGE/UNIVERSITY**

A bachelor’s degree requires approximately four years of college. A master’s degree usually requires one to two years of college beyond the bachelor’s degree. A minimum of a bachelor’s degree is required for approximately 20% of the occupations in the United States. Entrance requirements depend on the desired program/major.

### **MILITARY**

Training is available for many jobs while you are enlisted. You may also receive financial assistance for college, room and board, salary, and insurance benefits. High school graduation is required. Military appointments to academies, such as West Point or the Air Force Academy involve a lengthy process. Please inform the counselor during the sophomore year if interested.

Army – 1-573-635-2132  
Navy – 1-660-827-0471  
Coast Guard – 1-800-438-8724

Air Force – 1-417-823-3869  
Marines – 1-800-335-9623

## POST-HIGH SCHOOL EDUCATION ADMISSIONS REQUIREMENTS

CURRICULAR AREAS	Entering Freshman University of Missouri System Credit Requirements	Missouri Public 4 Year Colleges (UCM, MSU) Credit Requirements	Community & Technical Colleges	Military Careers	Apprenticeship
<b>COMMUNICATION SKILLS</b>	4 Units	4 Units	High School Diploma, GED, or a Completion of Home School Program	High School Diploma or a Certificate of Completion of Home School Program	Most Require a High School Diploma or a GED and must be at least 18 years of age
<b>SOCIAL STUDIES</b>	3 Units Govt ½	3 Units Govt ½			
<b>MATHEMATICS</b>	4 Units Alg I & Higher	3 Units Alg I & Higher			
<b>SCIENCE</b>	3 Units 2 of 3 from Bio, Chem, Physics & Earth Science	2 Units No General Science 1 must be a lab class			
<b>FINE ARTS</b>	1 Unit	1 Unit			
<b>PRACTICAL ARTS</b>	0 Units	0 Units			
<b>PHYSICAL EDUCATION</b>	0 Units	0 Units			
<b>ELECTIVES</b>	5 Units	6 Units			
<b>ADDITIONAL ELECTIVES</b>	2 Units 2 Years of the same foreign language	3 Units selected from foreign language &/or core courses			
<b>TOTALS</b>	22 Units Plus appropriate class rank and a minimum score of 24 on ACT	22 Units Plus appropriate class rank and ACT score			

The Blue Springs A+ program encourages students to stay in school, make career plans, tutor younger students, and graduate with the skills and knowledge required for career success or further education. If students in the class of 2011 and beyond meet the criteria established below, the Missouri General Assembly continues to fund the program, and the Blue Springs high schools pass the onsite inspection, students may be eligible for two years of tuition scholarship to the community college or vocational school.

**An A+ student must:**

- Complete and sign an A+ School Agreement and it must be turned in to the A+ office
- Attend an A+ school for three consecutive years prior to graduation (grades 10-12)
- Graduate with an unweighted cumulative GPA of 2.5 or higher on a 4.0 scale
- Graduate with a 95 percent cumulative attendance record for grades 9-12
- Perform 50 hours of unpaid tutoring or mentoring to other students in the Blue Springs School District under the supervision by a district employee
- 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)
- Attend a Missouri community college or post-secondary vocational/technical school on a full-time basis and maintain a GPA of 2.5 or higher

**HOW DO YOU BECOME AN A+ STUDENT?**

It is easy to become part of the A+ Schools Program. Simply read the citizen guidelines and complete the Blue Springs R-IV Schools Program Agreement. As long as you meet all the requirements, you are on track for the A+ scholarship. 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, receive college and career information from the A+ coordinator and allow the coordinator to monitor the students' GPA and attendance.

It is also recommended that students sign up even if they think they are going to a four-year college or not going to college. The Blue Springs A+ Schools Program is an opportunity for students to access additional education after high school; it does not obligate them to use the A+ tuition reimbursement.

**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 public Missouri community college or vocational/technical school as a full-time student. 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.

**For additional information about the Blue Springs A+ Schools Program, contact the A+ coordinator at your high school.**

## PLANNING FOR COLLEGE CREDIT

### Earning college credit as a high school student

How can I earn college credit in high school?

- Dual Credit – courses taken at the high school taught by a high school teacher that has been approved to teach a college credit class.
- Advanced Placement (AP) – nationwide program of college level courses sponsored by the College Board; credit may be received by earning a satisfactory grade on a fee-based nationally standardized exam.
- 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.

What is the difference in the coursework?

For AP, Dual Credit, and Articulated, no additional coursework is assigned to receive college credit. Students should be aware that the coursework in these courses does parallel a college curriculum and, therefore, tends to be more rigorous than traditional high school courses.

## DUAL CREDIT

**Dual Credit** – Blue Springs high schools offer several dual credit courses through area colleges. Dual credit may be earned in high school and college if the student meets enrollment guidelines as established by the Missouri Coordinating Board for Higher Education (CBHE). Please visit <http://www.cbhe.state.mo.us> for a complete description of eligibility guidelines. The student must apply to the college, be accepted, and pay a reduced fee for college credit to be awarded. **An overall GPA of 3.0 is required for all core classes (math, science, social studies, English). A 2.5 overall GPA is required for non-core classes (Career Technical Classes).** For each course, the same course objectives are taught in the high school setting as in the college setting. Upon satisfactory completion of the course, the student may request that a transcript verifying the credit earned be sent to colleges of the student's choice. College credit courses are listed in the course description section. **It is the student's responsibility to check if the college in which they plan to enroll will accept the dual credit.**

## ADVANCED PLACEMENT

### **Advanced Placement**

The Advanced Placement (AP) Program is a nationwide program of college level courses and exams for secondary school students. AP courses provide students a rigorous, college level curriculum. The Blue Springs R-IV School District offers AP courses in the following areas:

- |                            |                     |
|----------------------------|---------------------|
| • AP Biology               | AP Government       |
| • AP English Language      | AP European History |
| • AP English Literature    | AP Physics          |
| • AP Chemistry             | AP Spanish          |
| • AP Calculus AB           | AP French           |
| • AP Computer Science      | AP German           |
| • AP United States History | AP Music Theory     |
| • AP Environmental Science |                     |

In addition to the high school credit received for the course, AP students prepare to take the Advanced Placement Examination in May. Almost all colleges and universities in the United States recognize the scores received on the AP exams and give credit accordingly. However, students must realize that all colleges do not follow the same procedures upon receipt of Advanced Placement Examination grades. Many colleges grant college credit and placement automatically for qualifying work on the examinations; some grant placement credit only. BEFORE TAKING AN AP COURSE, THE STUDENT IS ADVISED TO CONTACT THE COLLEGE HE/SHE PLANS TO ATTEND CONCERNING THE STATUS OF AP COURSES AT THAT SCHOOL. Additional information can be found on the College Board website – [www.collegeboard.com](http://www.collegeboard.com). While making a decision regarding an AP course, consider the following four points:

1. Prerequisites and/or recommendations for student participating in individual AP course descriptions. If you do not currently meet the AP prerequisites and desire to make the commitment to participate in an AP class, please see your counselor for additional options.
2. Students enrolled in Advanced Placement courses are expected to take the AP Exam in the appropriate subject area. There is a fee of approximately \$86 (subject to change) to take each exam. A fee reduction is available for students who qualify based on family income.
3. Students who excel in a field of study for which an AP course is not offered are encouraged to prepare for and take the appropriate AP exam under the guidance of a faculty member. Contact the Guidance Office for more information.
4. Summer assignments may be provided to students in preparation for the rigors of these courses. If an AP class has summer assignments, they may be found on the school's website.

## 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. College credit is transcribed after the student has completed 15 credit hours at the Metropolitan Community Colleges. The student has up to two years to benefit from credit held in “escrow.”

At the Metropolitan Community Colleges, articulated credit is usually limited to Associate in Applied Science (AAS) degrees, although many colleges and universities are accepting transfer of these credits. To transfer a credit to a four-year degree program, articulated credit must be a part of a completed AAS degree program. The student does not pay any college tuition or fees for the articulated credit.

Articulated credit is available for the following Blue Springs programs if all guidelines are met:

- Accounting Principles (for those students that don't take it for dual credit)
- Business Technology (for those students that don't take it for dual credit)
- Marketing II Class
- Advanced Computer Applications
- Fashion Apparel II (Clothing II)
- Various Career Technical Programs at CTC and Summit Tech (see individual course descriptions)

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 honor point is given for courses in which articulated credit is awarded.

**CLASS OF 2011****EARLY RELEASE (Waiver of 8<sup>th</sup> Semester)**

As per Missouri State Department of Elementary and Secondary Education graduation requirements, students are expected to complete eight (8) 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. The student and his/her parents/guardian(s) will consult with his/her high school counselor to develop a Personalized Plan of Study. A request for early graduation must be a planned part of a student's educational program. The deadline for the early release application is November 1<sup>st</sup>. **Applications must be provided and submitted through your high school counselor.**

- 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 in work release programs such as Marketing and/or Business Technology are ineligible for early release.
- C. Students leaving after the seventh semester may be eligible to receive their high school diploma with their graduating class. Graduating seniors who choose not to participate in the graduation ceremony may pick up their diplomas in the high school principal's office on the first school business day following the graduation ceremony.
- D. Students leaving after the seventh semester **will not** be eligible for a class ranking for the 8<sup>th</sup> semester.
- E. Students may not participate in activities regulated by the Missouri State High School Activities Association unless enrolled in 6 credit-earning classes and passing.
- F. Students who have been approved for full release and partial release options are eligible for local scholarships unless a specific scholarship would indicate the student is not eligible.
- G. It is the student's responsibility to stay in touch with the school in regard to important semester events (i.e. graduation rehearsal).
- H. Students and parents may want to check with their health and auto insurance company concerning coverage since the student may not be considered full time.
- I. A+ eligibility may be affected. Students and parents should consult with the A+ Coordinator in their buildings.

**GUIDANCE & COUNSELING**

The Guidance and Counseling Program is an integral part of the total education program. Based on individual, family, school and community needs, the guidance program is delivered through the guidance curriculum, individual planning system, responsive services, and system support.

The Guidance and Counseling Program is responsible for assisting all students in developing:

- The knowledge, understanding, and acceptance of self and others.
- The skills necessary for effective career exploration and planning.
- The competencies needed for educational and vocational development.

The Guidance and Counseling Program provides responsive services designed to aid individuals in resolving problems which prevent their healthy development or which require remedial attention. It provides a systematic plan to help each student monitor and direct his/her own educational, vocational, and personal development. Finally, the Guidance and Counseling Program includes system support activities designed to establish, maintain, and enhance the total program.

Guidance and counseling services are available in grades 9-12. There are full-time counselors in the High Schools and Freshman Center Counseling Offices to assist students with their academic, career, and personal-social interests and concerns. In addition to counseling, resources are available concerning careers, colleges, and scholarships. Each student is encouraged to visit with his/her counselor. As part of the continuing guidance services offered to students upon graduation, exit surveys and one- and five-year follow-up surveys are conducted. Information gathered includes documentation of graduate plans for the future. Surveys also provide information relative to graduates continuing the paths they initially planned. All surveys collect information on the quality of education provided and how helpful it was in preparing graduates for further education and careers.

## COLLEGE PREPARATORY CERTIFICATE

The Missouri State Board of Education awards the College Preparatory Studies Certificate (CPSC) to Missouri students who successfully complete a rigorous academic program in high school. Twenty-five credits for the class of 2011 and beyond must be completed in grades 9-12.

### To be eligible for the certificate, a student must meet these requirements:

1. Complete a rigorous high school program cooperatively planned by the school, the student and the student's parent(s). The program must include at least these units of credit.

<b>Subjects</b> .....	<b>Units</b>
Communication Arts .....	4
Mathematics .....	4
Science.....	3
Social Studies.....	3
Fine Arts .....	1
Practical Arts .....	1
Personal Finance.....	1/2
Health .....	1/2
Physical Education .....	1
Specified Core Electives.....	3
General Electives .....	<u>4</u>
<b>Total .....</b>	<b>25</b>

2. Earn at least a 3.0 grade point average (GPA), on a 4.0 scale, in the combined subject areas of English/language arts, mathematics, science and social studies.
3. Score above the prior year's national composite average on the American College Test (ACT) or on the Scholastic Aptitude Test (SAT).
4. Maintain a 9-12 attendance rate of at least 95%.
5. Complete a strong academic program, as specifically outlined below, in the subject areas of English/language arts, mathematics, science, social studies and specified core electives. **No substitutions are authorized.**

**\*COMMUNICATION ARTS** – At least four units, one of which may be speech or debate, and two units of which must be in courses emphasizing composition or writing skills.

**\*MATHEMATICS** – At least four units from the following: algebra I, geometry, algebra II, pre-calculus, trigonometry, analytical geometry, calculus, math analysis, and statistics.

**\*SCIENCE** – At least three units, (not including general science), selected from biology, chemistry, or physics, one of which is a laboratory course.

**\*SOCIAL STUDIES** – At least three units including American history, world history, and at least one semester of government.

**\*FINE ARTS** – At least one unit of fine arts courses in the visual arts, music, dance and theater.

**\*SPECIFIED CORE ELECTIVES** – At least three units selected from foreign language (two units of one foreign language are strongly recommended) and/or combinations from two or more of the following core areas: English, mathematics, social studies, science, and fine arts. A computer science course with a prerequisite of at least algebra I is permissible as a mathematics elective. State and/or international history courses are permissible as social studies electives.

**\*GENERAL ELECTIVES** – At least four units sufficient to meet state and local graduation requirements. The courses should be selected and planned by the school, the student, and the student's parents to develop the student's aptitude and skills. Advanced vocational-technical courses, which have been selected to support and strengthen the student's college preparatory program or career choice, may be used to fulfill this general elective requirement.

## COLLEGE PLANNING CALENDAR

<b>JUNIOR YEAR PRE-COLLEGE CALENDAR AND CHECKLIST</b>		
<p><b>September</b></p> <ul style="list-style-type: none"> <li>*Identify the sources of colleges and career information at your school. Start looking through guidance publications, college catalogs and guidebooks.</li> <li>*Put together a list of 10 colleges that you would like to attend. Plan to apply to at least 3-5 schools.</li> <li>*Talk to your parents and your high school counselor about where you want to go to school.</li> </ul> <p><b>October</b></p> <ul style="list-style-type: none"> <li>*Take the PSAT/NMSQT</li> <li>*Attend college fairs.</li> </ul>	<p><b>November</b></p> <ul style="list-style-type: none"> <li>*Contact the counseling office for registration materials and test dates for ACT and SAT. You may register online for the ACT at <a href="http://www.act.org">www.act.org</a>.</li> </ul> <p><b>December</b></p> <ul style="list-style-type: none"> <li>*Make plans to take college admission tests. Check with colleges as to which tests are required.</li> </ul> <p><b>February</b></p> <ul style="list-style-type: none"> <li>*Select senior courses according to university or college requirements.</li> <li>*Look at options of taking ACT.</li> <li>*Explore college choices.</li> </ul> <p><b>April</b></p> <ul style="list-style-type: none"> <li>*Begin scheduling visits to each of the 3-5 schools that are on your final list.</li> <li>*Consider taking the Advanced Placement (AP) exams and SAT II while information is fresh in your mind.</li> </ul>	<p><b>May</b></p> <ul style="list-style-type: none"> <li>*Obtain summer job.</li> <li>*Save money to pay for college costs. Begin researching financial aid on Internet or at public library.</li> <li>*Advanced Placement tests are given nationwide.</li> </ul> <p><b>June</b></p> <ul style="list-style-type: none"> <li>*Look at options of taking ACT and set up college visits for the summer.</li> </ul>
<b>SENIOR YEAR PRE-COLLEGE CALENDAR AND CHECKLIST</b>		
<p><b>August</b></p> <ul style="list-style-type: none"> <li>*Review your career plans and decide which type of school is right for you.</li> <li>*Visit some college campuses.</li> <li>*Narrow your college list to no more than five schools.</li> <li>*Request catalogs and admissions information.</li> <li>*Contact the counseling office for registration materials and test dates for the SAT and/or the ACT.</li> </ul> <p><b>September</b></p> <ul style="list-style-type: none"> <li>*Meet with admissions representatives who are visiting your school.</li> <li>*Make a list of test names, dates, fees and registration deadlines, and of deadlines for college admissions and financial aid applications.</li> <li>*Remember that you must take tests like the SAT and ACT at least six weeks before the deadline for scores to be submitted to colleges.</li> <li>*Ask teachers, guidance counselors and employers for letters of recommendation to include with your admissions and/or scholarship applications.</li> <li>*Develop one page resume.</li> <li>*See counselor for web sites.</li> <li>*Begin scholarship search; watch deadlines.</li> </ul>	<p><b>October</b></p> <ul style="list-style-type: none"> <li>*Take the SAT or ACT exam, if necessary.</li> <li>*Work on admissions application.</li> <li>*Visit your top school choices. Interview some students, faculty and staff.</li> <li>*Attend special programs such as college fairs.</li> <li>*Apply for college admission.</li> <li>*Keep a chart of deadline dates.</li> </ul> <p><b>November</b></p> <ul style="list-style-type: none"> <li>*Register for SAT or ACT exam.</li> <li>*Work on applications. Check with colleges for dates materials must be postmarked.</li> </ul> <p><b>December</b></p> <ul style="list-style-type: none"> <li>*Obtain information on scholarships.</li> </ul> <p><b>January</b></p> <ul style="list-style-type: none"> <li>*Submit your completed Free Application for Federal Student Aid (FAFSA) to the processor as soon after January 1 as possible.</li> <li>*KEEP COPIES OF ALL FORMS YOU SUBMIT.</li> <li>January is Financial Aid Awareness Month. Look for special programs in your area.</li> </ul> <p><b>February</b></p> <ul style="list-style-type: none"> <li>*Mail your FAFSA (Free Application for Federal Student Aid), if you have not already done so.</li> <li>*Rank your finalized list of colleges.</li> <li>*Continue scholarship search; watch deadlines!</li> <li>*Many local scholarships are due.</li> </ul>	<p><b>March</b></p> <ul style="list-style-type: none"> <li>*Look for your Student Aid Report (SAR) in the mail. Your SAR contains federal financial aid information.</li> <li>*If you have not received your Student Aid Report four weeks after you sent in your FAFSA, contact Federal Student Aid Information center at (319) 337-5665.</li> </ul> <p><b>April</b></p> <ul style="list-style-type: none"> <li>*Watch the mail for college acceptance and financial aid award letters. Compare the financial aid awards you receive.</li> <li>*Make your final decision and send in a deposit by the deadline.</li> <li>*Check with the college you've chosen to attend about the details of signing and returning financial aid award letters.</li> <li>*Notify the other schools that you will not be attending.</li> <li>*Watch for important deadlines at your chosen college (housing, financial aid, etc.). Mail necessary deposits.</li> </ul> <p><b>May</b></p> <ul style="list-style-type: none"> <li>*Advanced Placement examinations are given in high schools nationwide.</li> <li>*Finalize summer school or summer job plans.</li> <li>*Request final high school/college transcript to be sent to chosen college.</li> </ul>

## MISSOURI STATE HIGH SCHOOL ACTIVITIES ASSOCIATION ELIGIBILITY

Knowing and following all MSHSAA standards will enable a student to protect his/her eligibility for MSHSAA interscholastic competition. Also, it is important to know that all the standards must be met in order to be eligible.

Grades received the **preceding** semester will determine eligibility for each semester.

**Grades 9-12:** To be eligible for fall 2010-2011 school year, a student must be enrolled in school in six full credit classes (student aides, etc does not count as six full classes) and have received passing grades in a minimum of 6 classes (3.0 units of credit) the previous semester. First semester freshman are automatically eligible.

**Semester of Eligibility:** High school eligibility begins the first semester of the freshman year and ends the eighth semester (whether or not a student graduates). There is a maximum age for participation.

**MOVIP:** Students planning to participate in MOVIP classes should visit with their Activities Directors to make sure they will be eligible to participate in MSHSAA sanctioned activities.

## NCAA COLLEGE FRESHMAN ATHLETICS ELIGIBILITY REQUIREMENTS

For students considering participation in collegiate sports, it is imperative that they meet the academic requirements of the NCAA. The NCAA Initial Eligibility Clearinghouse evaluates the transcript of every potential athlete who has registered with the Clearinghouse. Registering with the NCAA Clearinghouse is a first step in becoming eligible for collegiate athletics.

Please contact your high school's counselor and athletic director regarding specific questions about NCAA eligibility and registering with the Clearinghouse. There have been a number of important changes in eligibility requirements; these individuals can help you with the information that you need.

It is the responsibility of the student athlete to secure the information needed on NCAA eligibility from the counselor and the athletic director. Complete information is available at [www.eligibilitycenter.org](http://www.eligibilitycenter.org).

<b>DIVISION I</b> <b>16 Core-Course Rule</b>	<b>DIVISION II</b>
<b>16 Core Courses:</b> 4 years of English 3 years of mathematics (Algebra I or higher) 2 years of natural/physical science (1 year of lab if offered by high school) 1 year of additional English, mathematics or natural/physical science 2 years of social science 4 years of additional core courses (from any area above, foreign language or philosophy)	<b>14 Core Courses:</b> 3 years of English 2 years of mathematics (Algebra I or higher) 2 years of natural/physical science (1 year of lab if offered by high school) 2 years of additional English, mathematics or natural/physical science 2 years of social science 3 years of additional core courses (from any above, foreign language, or philosophy)

**\*Please see the website for GPA and ACT requirements.**

## LIBRARY/MEDIA SERVICES

Library Media Center services are available to all students in grades 9-12. A full-time library media specialist and support staff assist students during school hours. Our Library Media Centers feature the latest in technology.

Our goal is to provide the opportunity for all students to become effective users of information. Students are instructed on how to access information in a variety of formats – books, newspapers, periodicals, online databases, and the internet.

# CAREER PATHS OVERVIEW

**What Are Career Paths?** *Career paths are clusters of occupations and careers that are grouped 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. Selecting a career path provides you with an area of FOCUS, along with FLEXIBILITY, and a VARIETY of ideas to pursue.*

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## ARTS AND COMMUNICATION

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



## BUSINESS, MANAGEMENT & TECHNOLOGY

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



## HEALTH SERVICES

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



## HUMAN SERVICES

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



## INDUSTRIAL AND ENGINEERING TECHNOLOGY

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



## NATURAL RESOURCES

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

# CAREER PATH: ARTS & COMMUNICATION



**CAREER CLUSTER:** Arts, A/V Technology and Communications

**CAREER PATHWAYS:** Audio and Video Technology and Film, Journalism and Broadcasting, Printing, Telecommunications, Performing Arts, Visual Arts

**RELATED OCCUPATIONS:** Animator, Audio-Visual Systems Technician, Computer Artist, Sound Engineering Technician, Broadcast New Analyst, Editor, Radio Announcer, Reporter, Writer, Desktop Publishing Specialist, Network Technician, Telecommunications Specialist, Actor/Actress, Director, Musician, Singer, Artist, Commercial Artist, Fashion Designer, Graphic Designer, Interior Designer. For more occupations visit: [www.missouriconnections.org](http://www.missouriconnections.org) and/or [www.missourieconomy.org](http://www.missourieconomy.org)

<b>Blue Springs School District: Personal Plan of Study</b>				
<b>High School</b>	<b>9<sup>th</sup> Grade</b>	<b>10<sup>th</sup> Grade</b>	<b>11<sup>th</sup> Grade</b>	<b>12<sup>th</sup> Grade</b>
	English I or English I Literature & Comp	English II or World Literature & Comp	English III or American Literature	4 <sup>th</sup> Communication Arts
	Algebra A, Algebra I or Geometry	Algebra B, Geometry, Tech Geometry or Algebra II	3 <sup>rd</sup> Math	
	Physical Science or Accelerated Physical & Biological Science	Biology I or Pre-AP Biology	3 <sup>rd</sup> Science	
	Geography & American Government or Advanced Government and Political Analysis	World History or AP European History	US History, AP US History or American History 101 & American History 102	
	PE/Health	(PE)		
				Personal Finance
	<b>Additional requirements by graduation year are:</b>			
2012: 1 credit Science, 1 credit Math, 1 credit Communication Arts, 1 credit Practical Art; 1 credit Fine Art; 7 electives (must include ½ credit in technology & ½ credit in a speech class.)				

Career Major Coursework				
High School	<b>ART</b> Design Fundamentals Art History Drawing I, II Painting I, II Photography I, II 3D Design Ceramics I, II Fibers Portfolio I, II <b>BUSINESS &amp; TECHNOLOGY</b> Introduction to Business Computer Applications Desktop/Multimedia Communications Video Technology Video Production	<b>COMMUNICATION ARTS</b> Journalism Yearbook I / II Newspaper I / II Debate Forensics Theatre / Directing Communications I English 110 / 214 / AP Computer Composition Modern Literature Creative Writing I / II Modern Non-Fiction <b>FACS</b> Intro to FACS Housing & Home Furnishings Fashion & Apparel I / II	<b>FOREIGN LANGUAGE</b> Two years same language, minimum <b>INDUSTRIAL/TECHNICAL EDUCATION</b> General Metals Metals Technology Drafting Fundamentals Mechanical Drawing I / II Architectural Drawing CAD I & II General Woodworking I / II Advanced Woodworking <b>MATHEMATICS</b> Pre AP / AP Calculus Trigonometry College Statistics College Algebra Prep/College Algebra College Business Calculus Advanced Algebra	<b>MUSIC</b> Band/Orchestra/Choir Music Theory/AP Music Theory Music Appreciation <b>SCIENCE</b> Chemistry I / II or Pre AP / AP Chem Physics / AP Physics Environmental Science <b>SOCIAL STUDIES</b> Contemporary Issues Economics Psychology Sociology I & II
	<i>Area Career Center available Jr/Sr years</i>	<i>Community College</i>	<i>*College/University</i>	<i>Other</i>
Postsecondary	<input type="checkbox"/> Computer Assisted Design Tech <input type="checkbox"/> Construction Trades Tech <input type="checkbox"/> Entrepreneurial Studies <input type="checkbox"/> Horticulture & Landscape Mgmt	<input type="checkbox"/> Desktop Publishing <input type="checkbox"/> Drafting <input type="checkbox"/> Graphic Design <input type="checkbox"/> Printing Technology <input type="checkbox"/> TV/Radio Broadcasting <input type="checkbox"/> Telecommunications	<input type="checkbox"/> Art History <input type="checkbox"/> Education <input type="checkbox"/> Electronic Engineering <input type="checkbox"/> Fashion Design <input type="checkbox"/> Journalism <input type="checkbox"/> Music <input type="checkbox"/> Stage Management	<input type="checkbox"/> Apprenticeship <input type="checkbox"/> Military <input type="checkbox"/> On-the-Job Training
	<b>Work-based Learning Opportunities</b>	<b>Relevant High School Intra-Curricular/Co-Curricular Experiences</b>		<b>Graduation Exams</b>
<b>Career Enhancement Options</b>	After School Employment Cooperative Occupational Experience Internship/Mentorship Job-Shadowing On-The-Job Training Service Learning	Career and Technical Student Organization: <input type="checkbox"/> FCCLA <input type="checkbox"/> FBLA Other high school activities: <input type="checkbox"/> Art Club <input type="checkbox"/> Video Club <input type="checkbox"/> Pen & Scroll Club <input type="checkbox"/> Literary Allusions <input type="checkbox"/> Mind's Eye <input type="checkbox"/> Drama Club		___U.S. Constitution  ___MO Constitution

## CAREER PATH: BUSINESS, MANAGEMENT & TECHNOLOGY



**CAREER CLUSTER:** Information Technology, Marketing, Business Management & Administration, Finance

**CAREER PATHWAY:** Network Systems, Web and Digital Communications, Programming and Software Development, Information Support and Services, Marketing Management, Professional Sales, Merchandising, Marketing Communications, Marketing Research, General Management, Human Resources Management, Business Information Management, Administration Support, Operations Management, Securities and Investments, Business Finance, Banking Services, Insurance, Accounting

**RELATED OCCUPATIONS:** Business Consultant, Human Resources Manager, Office Manager, Buyer/Planner, Budget Analyst, Entrepreneur, Receptionist, Accountant, Investment Advisor, Economist, Adjuster, Credit Analyst, Underwriter,, Computer Programmer, Computer /Information Systems Manager, Network Systems Analyst, Technical Writer, Game Programmer, 3-D Animator, Web Designer, Information Technology Engineer, Advertising/Marketing Manager, Franchisee, Merchandise Buyer, Real Estate Agent, Public Relations Director, Sales Manager. For more occupations visit: [www.missouriconnections.org](http://www.missouriconnections.org) and [www.missourieconomy.org](http://www.missourieconomy.org)

Blue Springs School District: Personal Plan of Study				
High School	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
	English I or English I Literature & Comp	English II or World Literature & Comp	English III or American Literature	4 <sup>th</sup> Communication Arts
	Algebra A, Algebra I or Geometry	Algebra B, Geometry, Tech Geometry or Algebra II	3 <sup>rd</sup> Math	
	Physical Science or Accelerated Physical & Biological Science	Biology I or Pre-AP Biology	3 <sup>rd</sup> Science	
	Geography & American Government or Advanced Government and Political Analysis	World History or AP European History	US History, AP US History or American History 101 & American History 102	
	PE/Health	(PE)		
				Personal Finance
	Additional requirements by graduation year are: 2012: 1 credit Science, 1 credit Math, 1 credit Communication Arts, 1 credit Practical Art; 1 credit Fine Art; 7 electives (must include ½ credit in technology & ½ credit in a speech class.)			

**Career Major Coursework**

<b>High School</b>	<p><b>ART</b> Art History</p> <p><b>BUSINESS &amp; TECHNOLOGY</b> Computer Applications Advanced Computer Applications Desktop/Multimedia Communications Introduction to Business AP Computer Science Video Technology Video Production Sports &amp; Entertainment Marketing Business &amp; Personal Law Accounting I Accounting Principles I</p>	<p>Marketing I / II Marketing Principles 205 Business Technology / Word Processing Business Technology-Work Release Business Ownership &amp; Management</p> <p><b>COMMUNICATION ARTS</b> Journalism Yearbook I / II Newspaper I / II Communications I English IV English 110 / 214 AP English</p> <p><b>FOREIGN LANGUAGE</b> Two years same language, minimum</p>	<p><b>MATHEMATICS</b> Pre AP/AP Calculus College Algebra Prep/College Algebra College Trigonometry College Statistics College Business Calculus</p> <p><b>PROJECT LEAD THE WAY</b> Introduction to Engineering Design Principles of Engineering Digital Electronics</p> <p><b>OTHER</b> Agricultural Science I / II Animal Science</p>	<p><b>ROTC</b> Aerospace I, II, III, IV Drill &amp; Ceremonies</p> <p><b>SCIENCE</b> Chemistry I / II or Pre AP / AP Chem Physics / AP Physics</p> <p><b>SOCIAL STUDIES</b> Economics Psychology Sociology I &amp; II</p> <p><b>MUSIC</b> Band/Orchestra/Choir</p>
	<b>Postsecondary</b>	<p align="center"><i>Area Career Center available Jr/Sr years</i></p>	<p align="center"><i>Community College</i></p>	<p align="center"><i>*College/University</i></p>
<ul style="list-style-type: none"> <li><input type="checkbox"/> Career &amp; Technology Center</li> <li><input type="checkbox"/> Computer Aided Design Technology</li> <li><input type="checkbox"/> Computer Support Services</li> <li><input type="checkbox"/> Entrepreneurial Studies</li> <li><input type="checkbox"/> Summit Technology Academy</li> <li><input type="checkbox"/> Network Security</li> <li><input type="checkbox"/> IT Essentials</li> <li><input type="checkbox"/> Computer Integrated Manufacturing</li> </ul>		<ul style="list-style-type: none"> <li><input type="checkbox"/> Accounting</li> <li><input type="checkbox"/> Business Administrative Systems</li> <li><input type="checkbox"/> Business Systems Technology</li> <li><input type="checkbox"/> Data Management</li> <li><input type="checkbox"/> Management</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Accounting</li> <li><input type="checkbox"/> Business or Administrative Management</li> <li><input type="checkbox"/> Business Communication</li> <li><input type="checkbox"/> Business Education</li> <li><input type="checkbox"/> Education</li> <li><input type="checkbox"/> Entrepreneurship</li> <li><input type="checkbox"/> Human Resources Management</li> <li><input type="checkbox"/> International Business</li> <li><input type="checkbox"/> Management</li> <li><input type="checkbox"/> Office Information Systems</li> <li><input type="checkbox"/> Production and Operation Mgmt</li> <li><input type="checkbox"/> Public Affairs</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Apprenticeship</li> <li><input type="checkbox"/> Military</li> <li><input type="checkbox"/> On-the-Job Training</li> </ul>
<b>Career Enhancement Options</b>	<p align="center"><i>Work-based Learning Opportunities</i></p>	<p align="center"><i>Relevant High School Intra-Curricular/Co-Curricular Experiences</i></p>		<p align="center"><i>Graduation Exams</i></p>
	<p>After School Employment Cooperative Occupational Experience Internship/Mentorship Job-Shadowing On-The-Job Training Service Learning</p>	<p>Career and Technical Student Organization:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> FBLA</li> <li><input type="checkbox"/> DECA</li> <li><input type="checkbox"/> FCCLA</li> </ul> <p>Other high school activities:</p>		<p>___ U.S. Constitution</p> <p>___ MO Constitution</p>

Adapted from National Career Cluster

# CAREER PATH: HEALTH SERVICES



**CAREER CLUSTER:** Health Sciences

**CAREER PATHWAY:** Biotechnology Research & Development, Therapeutic Services, Diagnostics Services, Health Services, Support Services

**RELATED OCCUPATIONS:** Anesthesiologist, Athletic Trainer, Dentist, Dental Hygienist, Occupational Therapist, Paramedic, Pharmacist, Physical Therapist, Physician, Radiologist, Surgeon, Geneticist, Medical Lab Technician, Microbiologist, Medical Scientist, Cardiologist Technician, Health Care Administrator, Medical Social Worker, Biomedical/Clinical Engineer, Medical Equipment Repair. For more occupations visit: [www.missouriconnections.org](http://www.missouriconnections.org) or [www.missourieconomy.org](http://www.missourieconomy.org)

Blue Springs School District Personal Plan of Study				
High School	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
	English I or English I Literature & Comp	English II or World Literature & Comp	English III or American Literature	4 <sup>th</sup> Communication Arts
	Algebra A, Algebra I or Geometry	Algebra B, Geometry, Tech Geometry or Algebra II	3 <sup>rd</sup> Math	
	Physical Science or Accelerated Physical & Biological Science	Biology I or Pre-AP Biology	3 <sup>rd</sup> Science	
	Geography & American Government or Advanced Government and Political Analysis	World History or AP European History	US History, AP US History or American History 101 & American History 102	
	PE/Health	(PE)		
				Personal Finance
	<b>Additional requirements by graduation year are:</b>			
2012: 1 credit Science, 1 credit Math, 1 credit Communication Arts, 1 credit Practical Art; 1 credit Fine Art; 7 electives (must include ½ credit in technology & ½ credit in a speech class.)				

<b>Career Major Coursework</b>				
<b>High School</b>	<b>ART</b> Art History <b>BUSINESS &amp; TECHNOLOGY</b> Computer Applications Desktop/Multimedia Communications Introduction to Business Business & Personal Law Accounting I Principles of Accounting I <b>MUSIC</b> Band/Orchestra/Choir Music Appreciation	<b>COMMUNICATION ARTS</b> English IV English 110 / 214 AP English <b>FAMILY AND CONSUMER SCIENCE</b> Child Development Nutrition and Wellness <b>FOREIGN LANGUAGE</b> Two years same language, minimum <b>PROJECT LEAD THE WAY</b> Principles of Biomedical Science Body Systems	<b>MATHEMATICS</b> Pre AP / AP Calculus College Algebra Prep/College Algebra College Trigonometry <b>OTHER</b> Agriculture Science I / II Animal Science <b>PHYSICAL EDUCATION</b> Physical Fitness Fitness & Wellness Aerobics & Weightlifting Aerobics Plus <b>ROTC</b> Aerospace I, II, III, IV Drill & Ceremonies	<b>SCIENCE</b> Pre-AP / AP Biology Chemistry I / II or Pre-AP / AP Chemistry Physics / AP Physics Microbiology Anatomy & Physiology Applied Bio-Chem Technology <b>SOCIAL STUDIES</b> Sociology I & II Psychology Economics Contemporary Issues
	<b>Postsecondary</b>	<i>Area Career Center available Jr/Sr years</i>	<i>Community College</i>	<i>*College/University</i>
	<b>CTC</b> <input type="checkbox"/> Emergency Medical Technician <input type="checkbox"/> Fire Science Technology <input type="checkbox"/> Health Occupations <b>Summit Technology</b> <input type="checkbox"/> Introduction to Health Science & Bio-Technology <input type="checkbox"/> Pre-Nursing Center of Excellence	<input type="checkbox"/> Biotechnology <input type="checkbox"/> Dental Assistant <input type="checkbox"/> Dental Hygienist <input type="checkbox"/> EMT/Paramedic <input type="checkbox"/> Health Information Technology <input type="checkbox"/> Licensed Practical Nurse <input type="checkbox"/> Mortuary Science <input type="checkbox"/> Occupational Therapy Assisting <input type="checkbox"/> Physical Therapist Assistant <input type="checkbox"/> Professional Nursing <input type="checkbox"/> Radiology Technologist <input type="checkbox"/> Respiratory Care <input type="checkbox"/> Surgical Technology	<input type="checkbox"/> Athletic Training <input type="checkbox"/> Biologist <input type="checkbox"/> Dentist <input type="checkbox"/> Dietetics <input type="checkbox"/> Education <input type="checkbox"/> Healthcare Administration <input type="checkbox"/> Pharmacist <input type="checkbox"/> Physical Therapy <input type="checkbox"/> Physician <input type="checkbox"/> Registered Nursing <input type="checkbox"/> Social Work <input type="checkbox"/> Veterinary Science	<input type="checkbox"/> Apprenticeship <input type="checkbox"/> Military <input type="checkbox"/> On-the-Job Training
<b>Career Enhancement Options</b>	<i>Work-based Learning Opportunities</i>	<i>Relevant High School Intra-Curricular/Co-Curricular Experiences</i>		<i>Graduation Exams</i>
	After School Employment Cooperative Occupational Experience Internship/Mentorship Job-Shadowing On-The-Job Training Service Learning	Career and Technical Student Organization: <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> FFA  Other high school activities: <input type="checkbox"/> Pre-Professional Club		___U.S. Constitution   ___MO Constitution



## CAREER PATH: HUMAN SERVICES

**CAREER CLUSTER:** Human Services, Hospitality & Tourism, Government & Public Administration, Law, Public Safety, Corrections & Security, Education & Training

**CAREER PATHWAY:** Early Childhood Development & Services, Counseling & Mental Health Services, Family & Community Services, Personal Care Services, Consumer Services, Restaurants & Food Beverage Services, Recreation, Amusement & Attractions, Travel & Tourism, Public Management & Administration, Governance, National Security, Foreign Service, Revenue & Taxation, Correction Services, Emergency & Fire Management Services, Security & Protective Services, Law Enforcement Services, Legal Services, Administration & Support, Professional Support Services, Teaching & Training

**RELATED OCCUPATIONS:** Childcare Facility Director, Sociologist, Substance Abuse Counselor, Social Worker, Fitness Trainer, Hairdresser, Massage Therapist, Insurance Representative, Emergency Medical Technician, Firefighter, Forensic Science Technician, Criminal Investigator, Police Officer, Corrections Officer, Attorney, Judge, Legal Assistant, Court Reporter, City Manager, Assessor, Tax Attorney, Combat Aircraft Pilot, Intelligence Agent, Aviation Officer, Bank Examiner, Legislator, Chef, Food Service Manager, Travel Agent, Director Sales and Marketing, Counselor, Psychologist, Teacher. For more occupations visit: [www.missouriconnections.org](http://www.missouriconnections.org)

### Blue Springs School District: Personal Plan of Study

	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
High School	English I or English I Literature & Comp	English II or World Literature & Comp	English III or American Literature	4 <sup>th</sup> Communication Arts
	Algebra A, Algebra I or Geometry	Algebra B, Geometry, Tech Geometry or Algebra II	3 <sup>rd</sup> Math	
	Physical Science or Accelerated Physical & Biological Science	Biology I or Pre-AP Biology	3 <sup>rd</sup> Science	
	Geography & American Government or Advanced Government and Political Analysis	World History or AP European History	US History, AP US History or American History 101 & American History 102	
	PE/Health	PE		
				Personal Finance
<b>Additional requirements by graduation year are:</b>				
2012: 1 credit Science, 1 credit Math, 1 credit Communication Arts, 1 credit Practical Art; 1 credit Fine Art; 7 electives (must include ½ credit in technology & ½ credit in a speech class.)				

Career Major Coursework				
High School	<b>BUSINESS &amp; TECHNOLOGY</b> Introduction to Business Computer Applications Advanced Computer Applications Desktop/Multimedia Communications Video Technology Video Production Business & Personal Law Business Technology Marketing I & II /Sports Marketing Entertainment Business Ownership & Management Accounting I Accounting Principles I <b>COMMUNICATION ARTS</b> Journalism Photojournalism Yearbook I / II Newspaper I / II	Debate I, II, III, IV Forensics I, II, III, IV Theatre Study Advanced Theatre Study English 110 / 214 / AP Creative Writing I / II Communications I Modern non-fiction <b>FACS</b> Introduction to FACS Introduction to Culinary Arts Culinary Skills I / II World Foods Child Development Child Care Nutrition and Wellness Housing & Home Furnishings Family Relations Clothing I / II	<b>FOREIGN LANGUAGE</b> Two years same language, minimum <b>INDUSTRIAL/TECHNICAL EDUCATION</b> Home Maintenance & Repair <b>MATHEMATICS</b> Pre-AP / AP Calculus College Statistics College Algebra College Trigonometry <b>PHYSICAL EDUCATION</b> Recreational Sports Outdoor Education Social Dance <b>MUSIC</b> Band/Orchestra/Choir <b>OTHER</b> Cadet Exploratory Teaching	<b>SCIENCE</b> Applied Bio-Chem Technology Chemistry I / II or Pre AP / AP Chemistry Biology II or Pre AP / AP Biology Physics I / AP Physics Microbiology Anatomy & Physiology <b>SOCIAL STUDIES</b> World Religions Sociology I & II Psychology Contemporary Issues Economics Global Issue Minorities in American History <b>ROTC</b> Aerospace I, II, III, IV Drill & Ceremonies
	<b>Area Career Center available Jr/Sr years</b>	<b>Community College</b>	<b>*College/University</b>	<b>Other</b>
Postsecondary	<input type="checkbox"/> Emergency Medical Technician <input type="checkbox"/> Entrepreneurial Studies <input type="checkbox"/> Fire Science <input type="checkbox"/> Health Occupations <input type="checkbox"/> Horticulture/Landscape Mgmt. <input type="checkbox"/> Intro to Health Science & Biotech <input type="checkbox"/> Nail Technology <input type="checkbox"/> Pre-Nursing Program	<input type="checkbox"/> Family Services & Child Development <input type="checkbox"/> Mortuary Science <input type="checkbox"/> Psychology <input type="checkbox"/> Sociology <input type="checkbox"/> Sales & Customer Services	<input type="checkbox"/> Early Childhood Education <input type="checkbox"/> Education <input type="checkbox"/> Elementary Education <input type="checkbox"/> Industrial Organizational Psychology <input type="checkbox"/> Marriage & Family Counseling <input type="checkbox"/> Social Work <input type="checkbox"/> Sociology	<input type="checkbox"/> Apprenticeship <input type="checkbox"/> Military <input type="checkbox"/> On-the-Job Training
	<b>Work-based Learning Opportunities</b>	<b>Relevant High School Intra-Curricular/Co-Curricular Experiences</b>	<b>Graduation Exams</b>	
<b>Career Enhancement Options</b>	After School Employment Cooperative Occupational Experience Internship/Mentorship Job-Shadowing On-The-Job Training Service Learning	Career and Technical Student Organization: <input type="checkbox"/> DECA <input type="checkbox"/> FCCLA <input type="checkbox"/> FBLA  Other high school activities: <input type="checkbox"/> FTA	___U.S. Constitution   ___MO Constitution	

# CAREER PATH: INDUSTRIAL & ENGINEERING TECH



**CAREER CLUSTER:** Transportation, Distribution & Logistics, Science, Technology, Engineering & Mathematics, Manufacturing, Architecture & Construction

**CAREER PATHWAYS:** Transportation Operations, Logistics, Planning And Management Services, Warehousing And Distribution Center Operations, Facility And Mobile Equipment Maintenance, Transportation Systems And Infrastructure Planning, Management And Regulation, Health, Safety And Environmental Management, Sales And Services, Engineering And Technology, Science And Math, Production, Manufacturing Production Process Development, Health, Safety And Environmental Assurance, Quality Assurance, Maintenance, Installation And Repair, Logistics And Inventory Control, Design And Construction, Maintenance And Operations

**RELATED OCCUPATIONS:** Chemical Engineer, Civil Engineer, Electrical Engineer, Mining Engineer, Nuclear Engineer, CAD Operator, Economist, Geologist, Math Teacher, Science Teacher, Zoologist, Pilot Air Traffic Controller, Logistician, Aircraft Mechanic, Automobile Service Technician, Industrial Health and Safety Engineer, Sales Manager, Design Engineer, Electronic Engineer, Inspector, Machinist, Welder, Architect, Carpenter, For more occupations visit: [www.missourconnections.org](http://www.missourconnections.org)

Blue Springs School District: Personal Plan of Study				
High School	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
	English I or English I Literature & Comp	English II or World Literature & Comp	English III or American Literature	4 <sup>th</sup> Communication Arts
	Algebra A, Algebra I or Geometry	Algebra B, Geometry, Tech Geometry or Algebra II	3 <sup>rd</sup> Math	
	Physical Science or Accelerated Physical & Biological Science	Biology I or Pre-AP Biology	3 <sup>rd</sup> Science	
	Geography & American Government or Advanced Government and Political Analysis	World History or AP European History	US History, AP US History or American History 101 & American History 102	
	PE/Health	PE		
				Personal Finance
	Additional requirements by graduation year are: 2012: 1 credit Science, 1 credit Math, 1 credit Communication Arts, 1 credit Practical Art, 7 electives (must include ½ credit in technology and ½ credit in speech).			

Career Major Coursework				
<b>High School</b>	<b>ART</b> Design Fundamentals Art History Drawing I, II Painting I, II Photography I, II 3D Design Ceramics I, II Fibers Portfolio I, II <b>BUSINESS &amp; TECHNOLOGY</b> Computer Applications Desktop/Multimedia Communications <b>COMMUNICATION ARTS</b> English IV English 110 / 214 AP English Communications I	<b>FOREIGN LANGUAGE</b> Two years same language, minimum <b>INDUSTRIAL/TECHNICAL EDUCATION</b> General Metals Metals Technology Drafting Fundamentals Mechanical Drawing I / II Architectural Drawing CAD I & II General Woodworking I / II Advanced Woodworking Small Engine Repair Home Maintenance & Repair Construction Technology <b>MUSIC</b> Band/Orchestra/Choir	<b>MATHEMATICS</b> Pre AP/AP Calculus College Algebra College Trigonometry College Statistics College Business Calculus <b>PROJECT LEAD THE WAY</b> Introduction to Engineering Design Principles of Engineering Digital Electronics	<b>ROTC</b> Aerospace I, II, III, IV Drill & Ceremonies <b>SCIENCE</b> Chemistry I / II or Pre AP / AP Chem Physics / AP Physics Applied Bio-Chem Technology
	<b>Postsecondary</b>	<b>Area Career Center available Jr/Sr years</b> <input type="checkbox"/> Advanced Networking Admin. <input type="checkbox"/> Auto Collision Technology <input type="checkbox"/> Auto Mechanics Technology <input type="checkbox"/> Construction Trades Technology <input type="checkbox"/> Computer Support Services <input type="checkbox"/> Electronics Technology <input type="checkbox"/> Elements of Engineering <input type="checkbox"/> Horticulture & Landscape Mgmt. <input type="checkbox"/> Intro to Health Science & BioTech <input type="checkbox"/> IT Essentials I	<b>Community College</b> <input type="checkbox"/> Audio Engineering Technology <input type="checkbox"/> Automotive Technology <input type="checkbox"/> Construction Management <input type="checkbox"/> Drafting and CAD <input type="checkbox"/> Electronics Technology <input type="checkbox"/> Engineering Technology <input type="checkbox"/> HVAC-R <input type="checkbox"/> Housing & Interior Design <input type="checkbox"/> Land Surveying <input type="checkbox"/> Power Plant Operations <input type="checkbox"/> Railroad Operations	<b>*College/University</b> <input type="checkbox"/> Architecture <input type="checkbox"/> Civil Engineering <input type="checkbox"/> Construction Management <input type="checkbox"/> Education <input type="checkbox"/> Electrical Engineering <input type="checkbox"/> Industrial Technology <input type="checkbox"/> Urban Planning
<b>Career Enhancement Options</b>	<b>Work-based Learning Opportunities</b> After School Employment Cooperative Occupational Experience Internship/Mentorship Job-Shadowing On-The-Job Training Service Learning	<b>Relevant High School Intra-Curricular/Co-Curricular Experiences</b> Career and Technical Student Organization: <input type="checkbox"/> FBLA <input type="checkbox"/> Skills USA  Other high school activities: <input type="checkbox"/> Robotics		<b>Graduation Exams</b>  ___ U.S. Constitution  ___ MO Constitution

# CAREER PATH: NATURAL RESOURCES AGRICULTURE



**CAREER CLUSTER:** Agriculture, Food & Natural Resources

**CAREER PATHWAY:** Agribusiness Systems, Animal Systems, Food Products & Processing Systems, Natural Resources & Environmental Services Systems, Power, Structural & Technical Systems, Plant Systems

**RELATED OCCUPATIONS:** Chemical Technician, Environmental Compliance Manager, Fisheries Manager, Forest Manager, Meteorologist, Agricultural Technologist, Biochemist, Food and Drug Inspector, Microbiologist, Agricultural Economist, International Agri-Marketing Specialist, Animal Geneticist, Veterinarian, Botanist, Landscape and Grounds manager, Tree Surgeon, Soil and Water Specialist. For more occupations visit: [www.missouriconnections.org](http://www.missouriconnections.org) and/or [www.missourieconomy.org](http://www.missourieconomy.org)

<b>Blue Springs School District: Personal Plan of Study</b>				
<b>High School</b>	<b>9<sup>th</sup> Grade</b>	<b>10<sup>th</sup> Grade</b>	<b>11<sup>th</sup> Grade</b>	<b>12<sup>th</sup> Grade</b>
	English I or English I Literature & Comp	English II or World Literature & Comp	English III or American Literature	4 <sup>th</sup> Communications Arts
	Algebra A, Algebra I or Geometry	Algebra B, Geometry, Tech Geometry or Algebra II	3 <sup>rd</sup> Math	
	Physical Science or Accelerated Physical & Biological Science	Biology I or Pre-AP Biology	3 <sup>rd</sup> Science	
	Geography & American Government or Advanced Government and Political Analysis	World History or AP European History	US History, AP US History or American History 101 & American History 102	
	PE/Health	<b>(PE)</b>		
				Personal Finance
	Additional requirements by graduation year are: 2012: 1 credit Science; 1 credit math; 1 credit Communication Arts; 1 credit Practical Art; 1 credit Fine Art; 7 electives (must include ½ credit in technology & ½ credit in a speech class.)			

<b>Career Major Coursework</b>				
<b>High School</b>	<b>ART</b> Design Fundamentals I <b>BUSINESS &amp; TECHNOLOGY</b> Introduction to Business Computer Applications Advanced Computer Applications Desktop/Multimedia Digital Video Media Marketing Business Ownership & Management Accounting <b>COMMUNICATION ARTS</b> Journalism English IV English 110 / 214 AP English	<b>FACS</b> Intro to FACS Intro to Culinary Arts Culinary Skills I / II World Foods Nutrition & Wellness <b>FOREIGN LANGUAGE</b> Two years same language, minimum <b>INDUSTRIAL/TECHNICAL EDUCATION</b> Home Maintenance & Repair Small Engine Repair General Metals Construction Technology Metals Technology Drafting Fundamentals Mechanical Drawing I & II Architectural Drawing CAD I & II Marketing General Woodworking I / II Advanced Woodworking	<b>MATH</b> College Algebra College Trigonometry College Statistics Pre-AP / AP Calculus College Business Calculus <b>OTHER</b> Agriculture Science I / II Animal Science Horticulture Landscaping <b>PHYSICAL EDUCATION</b> Physical Fitness Swimming Outdoor Education <b>ROTC</b> Aerospace I, II, III, IV Drill & Ceremonies	<b>SCIENCE</b> Pre AP / AP Biology Chemistry II or Pre AP / AP Chem Physics I / AP Physics Anatomy & Physiology Applied Bio-Chem Tech Microbiology Environmental Science / AP Env Science Geology Astronomy & Meteorology <b>SOCIAL STUDIES</b> Contemporary Issues Economics <b>PROJECT LEAD THE WAY</b> Principles of Biomedical Science Body Systems <b>MUSIC</b> Band/Orchestra/Choir
	<b>Postsecondary</b>	<i>Area Career Center available Jr/Sr years</i>	<i>Community College</i>	<i>*College/University</i>
	<b>Career &amp; Technology Center</b> <input type="checkbox"/> CAD Technology <input type="checkbox"/> Construction Trades <input type="checkbox"/> Health Occupations <input type="checkbox"/> Ag Productions <b>Summit Technology</b> <input type="checkbox"/> Pre-Professional Nursing <input type="checkbox"/> Medical Interventions/Biomedical Innovations	<input type="checkbox"/> Agricultural Business <input type="checkbox"/> Agricultural Mechanics <input type="checkbox"/> Biotechnology <input type="checkbox"/> Commercial Turf & Golf Course Management <input type="checkbox"/> Custom Application Technology <input type="checkbox"/> Equine Science <input type="checkbox"/> Farm Management <input type="checkbox"/> Horticulture <input type="checkbox"/> Natural Resources <input type="checkbox"/> Veterinary Technology	<input type="checkbox"/> Agricultural Business Management, Economics, Education, Journalism or Systems Management <input type="checkbox"/> Biochemistry <input type="checkbox"/> Fisheries and Wildlife <input type="checkbox"/> Food Science and Nutrition <input type="checkbox"/> Forestry <input type="checkbox"/> Hotel and Restaurant Management <input type="checkbox"/> Parks, Recreation, and Tourism <input type="checkbox"/> Plant Science <input type="checkbox"/> Soil and Atmospheric Sciences	<input type="checkbox"/> Apprenticeship <input type="checkbox"/> Military <input type="checkbox"/> On-the-Job Training
<b>Career Enhancement Options</b>	<b>Work-based Learning Opportunities</b>	<b>Relevant High School Intra-Curricular/Co-Curricular Experiences</b>		<b>Graduation Exams</b>
	After School Employment Cooperative Occupational Experience Internship/Mentorship Job-Shadowing On-The-Job Training Service Learning	Career and Technical Student Organization: <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> FBLA  Other high school activities:		___U.S. Constitution   ___MO Constitution

**FOR ENROLLMENT PURPOSES**

**FINAL COURSE OFFERINGS ARE DEPENDENT ON ENROLLMENT AND STAFF.**

		PREREQUISITES	UNITS OF CREDIT	GRADE LEVEL
<b>ART (Fine Arts Credit)</b>				
0706	Design Fundamentals		1/2	9-12
0751	Art History		1/2	10-12
0752	Drawing I	Design Fundamentals	1/2	9-12
0753	Drawing II	Drawing I & C+ Grade	1/2	10-12
0754	Painting I	Design Fund., Drawing I, C+ Grade	1/2	10-12
0755	Painting II	Painting I, C+ Grade	1/2	10-12
0756	Photography I	Design Fund. addl. studio art class, C+ Grade	1/2	10-12
0757	Photography II	Photography I, C+ Grade	1/2	10-12
0758	3D Design	Design Fundamentals	1/2	10-12
0759	Ceramics I	Design Fund. + Addl studio art class	1/2	10-12
0780	Ceramics II	Ceramics I, C+ Grade	1/2	10-12
0781	Fibers	Design Fund C+ Grade + Addl. studio art class	1/2	10-12
0782	Portfolio I	Design Fund, 2 Art studio classes, Teacher Recom	1/2	11-12
0783	Portfolio II	Portfolio I	1/2	11-12
<b>BUSINESS, MARKETING &amp; TECHNOLOGY (Practical Art Credit)</b>				
0911	Introduction to Business		1/2	9
0916	Computer Applications (1 <sup>st</sup> Semester)		1/2	9-12
0917	Computer Applications (2 <sup>nd</sup> Semester)		1/2	9-12
0918	Advanced Computer Applications	Computer Applications	1/2	10-12
0960	Advanced Computer Applications (2 <sup>nd</sup> Sem.)	Computer Applications	1/2	9
0925	Beginning C++ Programming		1/2	10-12
0953	AP Computer Science		1	11-12
0927	Desktop/Multimedia		1/2	10-12
0913	Video Technology	Desktop/Multimedia or Inst. approval	1/2	10-12
0952	Video Production	Video Technology	1	11-12
0930	Business & Personal Law		1/2	11-12
0934	Business Technology	MCC Guidelines if for dual credit	1	12
0936	Supervised Business Experience	Must be enrolled in Business Tech	1	12

<b>Business Continued</b>		<b>PREREQUISITES</b>	<b>UNITS OF CREDIT</b>	<b>GRADE LEVEL</b>
0944	Accounting I		1	10-12
0946	Accounting Principles I	Accounting I, MCC Guidelines	1	11-12
1503	Personal Finance		1/2	12
1504	Personal Finance (1 <sup>st</sup> Sem)		1/2	12
0938	Marketing I		1/2	10-12
0948	Business Ownership & Management	None	1/2	11-12
0962	Sports Entertainment & Marketing	Marketing I	1/2	10-12
0940	Marketing II	Marketing I recommended or teacher recommendation	1	12
0956	Marketing Principles (BSAD 204 & 205)	MCC guidelines & Marketing I w/ "C" or better	1	11-12
0942	Marketing Internship	Must be enrolled in Marketing II or Marketing Principles 204 & 205	1	12
<b>COMMUNICATION ARTS</b>				
0104	English I		1	9
0188	English I Lit & Comp		1	9
0112	English II	1 Sem of English I	1	10
0114	World Lit and Comp		1	10
0120	English III	1 Sem of English II	1	11
0122	American Lit & Comp	English II or World Lit	1	11
0123	AP English Language (American Lit)	English II or World Lit	1	11
0138	English IV	English III or American Lit & Comp	1	12
0140	AP English Literature	English III or American Lit	1	12
0186	English Comp 110	3.0 GPA & UMKC requirements	1/2	11-12
0187	English 214	GPA 3.0 & UMKC requirements	1/2	11-12
0189	Modern NonFiction	Eng III or Am Lit	1/2	12
0182	Computer Composition	Eng III or Am Lit	1/2	12
0180	Modern Literature	English III or American Lit	1/2	12
0154	Creative Writing I		1/2	10-12
0158	Creative Writing II	Creative Writing I & teacher approval	1/2	10-12
1530	American Arts & Culture		1/2	11-12
0168	Journalism I (BSHS)		1/2	9-11
0167	Journalism I (BSSHS)		1/2	9-11
0169	Photojournalism I	Journalism I	1	10-12
0166	Newspaper I	Journalism I	1	10-12
0170	Newspaper II	Newspaper I or Journ. I & teacher approval	1	11-12
0176	Yearbook I	Journalism I	1	10-12
0178	Yearbook II	Jour. I, Year. I, B prev. Eng. & teacher app.	1	11-12

		<b>PREREQUISITES</b>	<b>UNITS OF CREDIT</b>	<b>GRADE LEVEL</b>
<b>FAMILY &amp; CONSUMER SCIENCES (Practical Arts Credit)</b>				
1110	Intro to Family & Consumer Sciences		1/2	9
1153	Nutrition & Wellness		1/2	9
1112	Introduction to Culinary Arts (1 <sup>st</sup> Sem.)		1/2	10-12
1113	Introduction to Culinary Arts (2 <sup>nd</sup> Sem.)		1/2	10-12
1114	Culinary Skills I (1 <sup>st</sup> Sem.)	Intro to Culinary Arts	1/2	10-12
1115	Culinary Skills I (2 <sup>nd</sup> Sem.)	Intro to Culinary Arts	1/2	10-12
1150	Culinary Skills II	Culinary Skills I	1/2	11-12
1152	World Foods	Culinary Skills I	1/2	11-12
1116	Child Development (1 <sup>st</sup> Semester)		1/2	9-12
1117	Child Development (2 <sup>nd</sup> Semester)		1/2	9-12
1118	Child Care & Guidance (1 <sup>st</sup> Semester)	Child Development	1/2	10-12
1119	Child Care & Guidance (2 <sup>nd</sup> Semester)	Child Development	1/2	10-12
1120	Advanced Child Care	Child Care & Guidance	1/2	11-12
1121	Fashion & Apparel I		1/2	10-12
1122	Fashion & Apparel II	Cloth I or Fashion & App I	1/2	10-12
1128	Housing & Home Furnishings		1/2	10-12
1130	Family Relations		1/2	11-12
<b>FOREIGN LANGUAGE</b>				
0602	French I		1	9-12
0606	French II	French I	1	9-12
0610	French III	French II	1	10-12
0618	Advanced French Lit, Comp & Conversation	French III	1	11-12
0614	AP French	French III or teacher recommendation	1	11-12
0622	Spanish I		1	9-12
0626	Spanish II	Spanish I	1	9-12
0630	Spanish III	Spanish II	1	10-12
0639	Advanced Spanish Lit, Comp. & Conversation	Spanish III	1	11-12
0636	Pre-AP Spanish	Spanish III	1	11-12
0634	AP Spanish	Spanish III	1	11-12
0642	German I		1	9-12
0646	German II	German I	1	9-12
0651	German III/College I	Ger II, UMKC Requirements	1	10-12
0654	AP German	German III or teacher recommendation	1	11-12
0660	Chinese I		1	10-12

	<b>Foreign Language Continued</b>	<b>PREREQUISITES</b>	<b>UNITS OF CREDIT</b>	<b>GRADE LEVEL</b>
0661	Chinese II	Chinese I	1	10-12
0662	Chinese III	Chinese II	1	11-12
<b>INDUSTRIAL/TECHNICAL EDUCATION (Practical Arts Credit)</b>				
1010	General Metals		1/2	10-12
1012	Metals Technology	General Metals	1/2	10-12
1014	General Woodworking I		1/2	10-12
1015	General Woodworking II	Gen. Woodworking I w/min.of C and teacher approval	1/2	10-12
1016	Advanced Woodworking	Gen. Woodworking I & teacher approval	1	11-12
1018	Drafting Fundamentals I		1/2	9-12
1034	Computer Aided Design I	Drafting Fundamentals I	1/2	10-12
1036	Computer Aided Design II	Computer Aided Design I	1/2	10-12
1022	Mechanical Drawing I	CAD II	1/2	11-12
1023	Mechanical Drawing II	Mechanical Drawing I	1/2	11-12
1024	Architectural Drawing	Drafting Fundamentals I	1	10-12
1028	Small Engine Repair		1/2	10-12
1030	Home Maintenance & Repair		1/2	9-12
1032	Construction Technology		3	11-12
1033	Construction Technology Internship	Construction Technology	1	12
<b>MATHEMATICS</b>				
0318	Algebra A		1	9
0319	Algebra B	Algebra A	1	10
0330	Algebra I		1	9
0332	Technical Geometry	Algebra B	1	10-12
0334	Geometry	Alg. I	1	9-12
0338	Algebra II	Geometry or Tech Geometry	1	10-12
0346	Advanced Algebra	Algebra II	1	11-12
0348	Trigonometry	Alg. II or Completion of 1 <sup>st</sup> Sem. Alg. II w/teacher recommend	1/2	11-12
0352	College Statistics	Alg II + qualifying score on PLAN, ACT, or COMPASS, 3.0 GPA	1/2	11-12
0354	College Business Calculus	Pre-Calc, Alg. II, or Col. Alg. & qualifying score on PLAN, ACT, or COMPASS., 3.0 GPA	1	12
0355	Pre-AP Calculus	Geometry & Alg. II	1	11-12
0356	AP Calculus	Pre-AP Calculus	1	12
0358	College Algebra Prep/College Algebra	Qualifying score on PLAN, ACT, or COMPASS & successful completion of Alg. II or Pre Calc, 3.0 GPA	1	11-12

<b>Math Continued</b>		<b>PREREQUISITES</b>	<b>UNITS OF CREDIT</b>	<b>GRADE LEVEL</b>
0360	College Algebra (Semester)	Qualifying score on PLAN, ACT, or COMPASS & successful completion of Alg. II or Pre Calc, 3.0 GPA	1/2	11-12
0362	College Trigonometry (Semester)	Qualifying score on PLAN, ACT, or COMPASS & successful completion of Coll. Alg. (Math 120), 3.0 G.P.A.	1/2	11-12
<b>MUSIC (Fine Arts Credit)</b>				
0810	Freshman Band (BSHS)	2 years of band or audition	1	9
0811	Freshman Band (BSSHS)	2 years of band or audition	1	9
0812	Concert Band (BSHS)	2 years of band or audition	1	10-12
0813	Concert Band (BSSHS)	2 years of band or audition	1	10-12
0831	Symphonic Band (BSHS)	By audition only	1	10-12
0832	Symphonic Band (BSSHS)	By audition only	1	10-12
0840	Symphonic Band for Dual Credit	Seniors only/MCC Guidelines	1	12
0814	Orchestra (BSHS)	1 year of orchestra experience/audition	1	9-12
0815	Orchestra (BSSHS)	1 year of orchestra experience/audition	1	9-12
0841	Orchestra for Dual Credit	Seniors only/MCC Guidelines	1	12
0833	Symphonic Orchestra (1 <sup>st</sup> Sem. only)	Current band member and audition	1/2	10-12
0816	Campus Choir		1/2	9-12
0818	Concert Choir (BSHS)	Audition/teacher recommendation	1	10-12
0820	Concert Choir (BSSHS)	Audition/teacher recommendation	1	10-12
0819	Freshman Choir-Men's (BSHS)	Teacher recommendation/audition	1	9
0821	Freshman Choir Men's (BSSHS)	Teacher recommendation/audition	1	9
0822	A Cappella Choir	Recommendation of teacher/audition	1	11-12
0842	A Cappella Choir for Dual Credit	Seniors only/MCC Guidelines	1	12
0823	Women's Ensemble	Recommendation of teacher/audition	1	11-12
0824	Chamber Choir	A Cappella Choir & teacher permission	1	11-12
0825	Freshman Choir Women's (BSHS)	Teacher recommendation/audition	1	9
0826	Freshman Choir Women's (BSSHS)	Teacher recommendation/audition	1	9

<b>Music Continued</b>		<b>PREREQUISITES</b>	<b>UNITS OF CREDIT</b>	<b>GRADE LEVEL</b>
0828	Music Appreciation		1/2	10-12
0830	Music Theory & Technology		1/2	11-12
0834	AP Music Theory	2 yrs previous music courses/concurrently enrolled in another music class or instructor approval	1	11-12
<b>PHYSICAL EDUCATION</b>				
1210	Physical Education I Boys		1/2	9
1212	Physical Education I Girls		1/2	9
1214	Physical Education II Boys		1/2	10-12
1216	Physical Education II Girls		1/2	10-12
1218	Health		1/2	9
1220	Physical Fitness (Sem)		1/2	10-12
1222	Physical Fitness (Year)		1	10-12
1224	Fitness & Wellness		1/2	11-12
1230	Beginning Swimming		1/2	10-12
1232	Intermediate Swimming	Ability to swim 50 yds. freestyle/backstroke	1/2	10-12
1234	Advanced Swimming	Ability to swim 500 yds. in 4 of 6 strokes	1/2	11-12
1237	Red Cross Life Guarding – 1 <sup>st</sup> sem. (only BSHS)	Advanced Swimming or Test Out	1/2	11-12
1238	Water Safety Instructor – 2 <sup>nd</sup> sem. (only BSHS)	Red Cross Life Guarding	1/2	11-12
1236	Water Aerobics		1/2	10-12
1242	Recreational Sports Co-ed		1/2	11-12
1244	Aerobics & Weightlifting Co-ed		1/2	10-12
1248	Aerobics Plus Co-ed		1/2	10-12
1250	Social Dance		1/2	11-12
1252	Outdoor Education		1/2	11-12
1258	Advanced Team Sports		1/2	11-12
<b>ROTC (Elective Credit)</b>				
1550	A Journey Into Aerospace History (Aerospace 100) (BSHS)		1	9-12
1551	A Journey Into Aerospace History (Aero 100 BSSHs)		1	9-12
1552	The Science of Flight (Aerospace 210)	Aerospace 100/Sophomore Status	1	10-12
1560	Drill and Ceremonies (Aerospace 150)	Aerospace 100 or Instructor's Approval	1	10-12
1554	The Exploration of Space (Aerospace 300)	Aerospace 210	1	11-12
1556	FAA Private Pilot Ground School (Aerospace 500) (AVIA 1310)	Aerospace 210 & Aerospace 300 & approval of Sr aerospace instructor & UCM guidelines	1	12
1558	Management of the Cadet (Aerospace 400)	Aerospace 210 & 300	1	12

		<b>PREREQUISITES</b>	<b>UNITS OF CREDIT</b>	<b>GRADE LEVEL</b>
<b>SCIENCE</b>				
0408	Physical Science		1	9
0412	Accelerated Physical & Biological Sciences	See course description	1/2 Phy. 1/2 Bio.	9
0416	Biology I		1	10
0425	Pre-AP Biology	Alg. I, Phys Science or Accel. Phys/Biology	1	10-11
0426	AP Biology	Biology I or Pre-AP Biology	1	11-12
0455	Anatomy & Physiology	Biology I or Pre-AP Biology	1	11-12
0454	Microbiology	Biology I or Pre-AP Biology	1/2	11-12
0434	Chemistry I	Geometry or concurrently enrolled	1	10-12
0435	Chemistry II	Chemistry I or Pre-AP Chemistry–	1	11-12
0436	Pre-AP Chemistry	Geometry	1	10-11
0438	AP Chemistry	Chem I or Pre-AP Chemistry	1	11-12
0440	Geology	Geometry	1/2	10-12
0439	Astronomy & Meteorology	Physical Science or Accel/or concurrently enrolled in a Biological science	1/2	10-12
0444	Environmental Science	Biology I	1/2	11-12
0446	Advanced Environmental Science	Environmental Science I	1/2	11-12
0456	Applied Bio-Chem Technology	Physical Science & Biology I	1	11-12
0447	AP Environmental Science	Biology I or Pre-AP Biology	1	11-12
0450	Physics	Algebra & Geometry	1	10-12
0452	AP Physics		1	11-12
<b>SOCIAL STUDIES</b>				
0285	Geography		1/2	9
0280	American Government		1/2	9
0289	American Government & Political Analysis	See recommendations	1/2	9
0236	World History		1	10
0238	AP European History		1	10-12
0205	United States History		1	11
0281	AP American Government		1/2	10-12
0266	AP United States History		1	11-12
0286	American History 101	3.0 G.P.A., Appropriate ACT or PLAN score	1/2	11-12
0287	American History 102	3.0 G.P.A., Appropriate ACT or PLAN score, American History 101	1/2	11-12

<b>Social Studies Continued</b>		<b>PREREQUISITES</b>	<b>UNITS OF CREDIT</b>	<b>GRADE LEVEL</b>
0251	Civil War		1/2	10-12
0252	World War II	World History	1/2	11-12
0258	World Religions		1/2	11-12
0263	Sociology I		1/2	11-12
0290	Sociology II	Sociology I	1/2	11-12
0271	Economics		1/2	11-12
0275	Contemporary Issues		1/2	10-12
0283	Psychology		1/2	12
0288	Global Issues		1/2	11-12
0291	Minorities in American History		1/2	11-12
<b>SPEECH/DEBATE/DRAMA</b>				
0502	Communications I		1/2	11-12
0508	Debate I (BSHS)		1	9-12
0509	Debate I (BSSH)		1	9-12
0510	Debate II	Debate I & teacher approval	1	10-12
0512	Debate III	Debate II & teacher approval	1	11-12
0514	Debate IV Argumentation & Debate	Debate III & teacher approval	1	12
0516	Forensics (1 <sup>st</sup> Semester only BSHS)		1/2	9-12
0517	Forensics (1 <sup>st</sup> Semester only BSSH)		1/2	9-12
0518	Forensics II	Forensics I & teacher recommendation	1	10-12
0519	Forensics III	Forensics II & teacher recommendation	1	11-12
0520	Forensics IV	Forensics III & teacher recommendation	1	12
0522	Introduction to Theatre		1/2	9-12
0530	Theatre Study	Intro to Theatre & teacher recommendation	1/2	10-12
0532	Advanced Theatre Study	Theatre Study & teacher recommendation	1/2	11-12
0536	Stage Design & Theatre Technology	Intro to Theatre or teacher recommendation	1/2	10-12
0538	Introduction to Directing	Adv. Theatre Study & teacher recommendation	1	12
<b>OTHER ELECTIVES</b>			1/2	11-12
1555	ACT Prep Class	Geometry or Tech Geometry	1/2	10-12
1517	Cadet Exploratory Teaching (1 <sup>st</sup> Sem. BSSH only, 2 <sup>nd</sup> Sem. BSHS only)		1/2	12
1518	Peer Assistants (BSHS only)		1/2	12

<b>Electives Continued</b>		<b>PREREQUISITES</b>	<b>UNITS OF CREDIT</b>	<b>GRADE LEVEL</b>
1514	Leadership	Member of Senate	1	11-12
1524	American Sign Language (BSSHS only)		1/2	10-12
3000	NovaNET	Failed course/Dropout Recovery – Admin.		
1430	Read 180	1 or 2 hr. block/teacher/principal rec reading placement	1 Eng 1 Elect.	9-12
<b>CAREER-TECHNICAL PROGRAMS ON CAMPUS</b>				
<b>Agriculture</b>				
6675	Agriculture Science I (Freshman Ctr. Only)		1	9
6676	Agriculture Science II	Ag Science I or instructor approval	1	10-12
6679	Animal Science – Equine 1 <sup>st</sup> Sem only	Ag Sci II or instructor approval	1/2	11-12
6680	Animal Science – Animal Care Assistant 2 <sup>nd</sup> Sem only	Ag Sci II or instructor approval	1/2	11-12
6681	Horticulture 1 <sup>st</sup> Sem only	Ag Sci II or instructor approval	1/2	11-12
6682	Landscaping, Maintenance & Design 2 <sup>nd</sup> Sem only	Ag Sci II or instructor approval	1/2	11-12
<b>Biomedical</b>				
6695	Principles of Biomedical		1	9
6696	Human Body Systems	Principles of Biomedical	1	10
6697	Medical Intervention	Human Body Systems	1	11
<b>Engineering</b>				
6690	IED	Recommended – Algebra I	1	9
6691	Principles of Engineering	Recommended - Algebra I	1	10-12
6693	Digital Electronics	POE	1	11-12
<b>Nail Tech</b>				
6661	Nail Tech (A.M.)	Application Process Approval	3	12
6662	Nail Tech (P.M.)	Application Process Approval	3	12
<b>OFF CAMPUS EDUCATIONAL OPPORTUNITIES</b>				
<b>OFF CAMPUS EDUCATIONAL OPPORTUNITIES CTC Ft. Osage CTC Application Required</b>				
1610	Auto Collision Technology A.M.	CTC Application process	3	11-12
1612	Auto Collision Technology P.M.	CTC Application process	3	11-12
1614	Automotive Technology I A.M.	CTC Application process	3	11
1616	Automotive Technology I P.M.	CTC Application process	3	11
1602	Automotive Technology II A.M.	CTC Application process	3	12
1603	Automotive Technology II P.M.	CTC Application process	3	12

<b>OFF CAMPUS EDUCATIONAL OPPORTUNITIES CTC Ft. Osage CTC Application Required</b>				
<b>Continued</b>				
1622	Construction Trades Technology A.M.	CTC Application process	3	11-12
1624	Construction Trades Technology P.M.	CTC Application process	3	11-12
1626	Computer Assisted Design Technology A.M	CTC Application process	3	11-12
1628	Computer Assisted Design Technology P.M.	CTC Application process	3	11-12
1605	Culinary Arts A.M.	CTC Application process	3	11-12
1606	Culinary Arts P.M.	CTC Application process	3	11-12
1638	Health Occupations A.M.	CTC Application process	3	12
1640	Health Occupations P.M.	CTC Application process	3	12
1650	Computer Support Services I A.M.	CTC Application process	3	11-12
1652	Computer Support Services I P.M.	CTC Application process	3	11-12
1653	Computer Support Services II A.M.	CTC Application process Computer Support Services	3	12
1655	Computer Support Services II P.M.	CTC Application process Computer Support Services	3	12
1664	Fire Science Technology A.M.	None	3	11-12
1665	Emergency Medical Technician P.M.	Preference given to Fire Science Tech students	3	12
1670	Agriculture Production P.M. only	See Course Description	3	11-12
1689	Entrepreneurial Studies A.M.	CTC Application process	3	12
1690	Entrepreneurial Studies P.M.	CTC Application process	3	12
1607	Computer Integrated Manufacturing A.M.(2 <sup>nd</sup> sem)	See course description	1.5	11-12
1601	Computer Integrated Manufacturing P.M. (2 <sup>nd</sup> sem)	See course description	1.5	11-12
1693	Engineering Design and Development A.M	See course description	3.0	12
1694	Engineering Design and Development P.M.	See course description	3.0	12
1685	IT Essentials A.M. (1 <sup>st</sup> Semester)	See course description	1.5	11-12
1686	IT Essentials P.M. (2 <sup>nd</sup> Semester)	See course description	1..5	11-12
1691	Network Essentials A.M. (2 <sup>nd</sup> Semester)	See course description	1..5	11-12

	<b>SUMMIT TECHNOLOGY ACADEMY</b>	<b>Summit Application Required</b>		
1692	Network Essentials P.M. (2 <sup>nd</sup> Semester)	See course description	1..5	11-12
1695	Network Security A.M (1 <sup>st</sup> Semester)	See course description	1..5	12
1696	Network Security P.M. (1 <sup>st</sup> Semester)	See course description	1..5	12
1705	Digital Media Tech A.M.	See course description	3.0	11-12
1706	Digital Media Tech P.M.	See courses description	3.0	11-12
1687	Medical Interventions/Biomedical Innovations A.M.	See course description	3.0	11-12
1688	Medical Interventions/Biomedical Innovations P.M.	See course description	3.0	11-12
6671	Pre-Nursing Program A.M.	See course description	3.0	12
6669	Pre-Nursing Program PM	See course description	3.0	12
6701	International Studies P.M.	See course description	3.0	12
<b>NON-CREDIT</b>				
9910	Study Hall (1 <sup>st</sup> Semester)		0	11-12
9911	Study Hall (2 <sup>nd</sup> Semester)		0	11-12

## CURRICULAR OFFERINGS by DEPARTMENT

If a course has two numbers listed, the first number refers to 1<sup>st</sup> semester & the second number refers to the 2<sup>nd</sup> semester. **FINAL COURSE OFFERINGS ARE DEPENDENT ON ENROLLMENT AND STAFF.** For a complete listing of courses for enrollment purposes, please refer to pages 30 - 40.

### ART

(All courses listed fulfill Fine Arts requirement.)

The recommended prerequisite is a C+ or better to move to the next level of art classes.

#### DESIGN FUNDAMENTALS GRADES: 9 – 12

**COURSE #: 0706**  
**CREDITS: ½ Unit**  
**TYPE OF CREDIT: Fine Art**

**Course Description:** This course builds a foundation of knowledge in art. The elements and principles of design are covered in depth and the students should leave Design Fundamentals class with a clear understanding of composition and color. Students will be introduced to a variety of media with a strong emphasis in drawing and art criticism.

#### ART HISTORY GRADES: 10-12

**COURSE #: 0751**  
**CREDITS: ½ Unit**  
**TYPE OF CREDIT: Fine Art**

**Course Description:** This course focuses on history and eras of fine arts from ancient times to the present, covering specific art movements and critical artists from these movements. Minimal art production will be required. Students should have strong communication skills and feel comfortable in class discussion format.

#### DRAWING I GRADES: 9-12

**COURSE #: 0752**  
**CREDITS: ½ Unit**  
**TYPE OF CREDIT: Fine Art**

**Prerequisite:** Design Fundamentals

**Course Description:** Drawing I offers students an opportunity to focus specifically on improving drawing skills and expanding knowledge of composition. Students will use a variety of drawing media. Students will learn how to critique artwork in a group discussion setting. This class is necessary for students interested in Painting I or Drawing II.

#### DRAWING II GRADES: 10-12

**COURSE #: 0753**  
**CREDITS: ½ Unit**  
**TYPE OF CREDIT: Fine Art**

**Prerequisite:** Drawing I, C+ Grade

**Course Description:** Drawing II builds on basic drawing skills; students are allowed more freedom to experiment with all types of drawing media and subject matter. Class critiques will be a large part of this class; students will become comfortable talking about other students' work and their own work in a group setting. This class is designed for students interested in pursuing an art degree after high school.

#### PAINTING I GRADES: 10-12

**COURSE #: 0754**  
**CREDITS: ½ Unit**  
**TYPE OF CREDIT: Fine Art**

**Prerequisite:** Design Fundamentals, Drawing I, C+ Grade

**Course Description:** Painting I focuses on the foundations of painting basics in acrylic, tempera and watercolor. Students should have strong drawing skills and an understanding of color and composition. Students may need to purchase supplies.

**PAINTING II****GRADES: 10-12****Prerequisite:** Painting I, C+ Grade

**Course Description:** Painting II focuses on expression and effective communications within painting mediums. Students will work more independently. Pieces completed need to be clean and interesting paintings. This course goes beyond basic painting and is for the student interested in pursuing art after high school. Strong skills in composition, drawing and art criticism are necessary. Students may need to purchase supplies.

**COURSE #: 0755****CREDITS: ½ Unit****TYPE OF CREDIT: Fine Art****PHOTO I****GRADES: 10-12****Prerequisite:** Design Fundamentals & Additional studio art class, C+ Grade

**Course Description:** Photo I is a basic course in photography that includes photo history, basic camera functions, photo-taking techniques, subject selection, composition, and evaluation. Students may be required to furnish their own camera and supplies.

**COURSE #: 0756****CREDITS: ½ Unit****TYPE OF CREDIT: Fine Art****PHOTO II****GRADES: 10-12****Prerequisite:** Photo I, C+ Grade

**Course Description:** Photo II is for students who have successfully completed Photo I and are interested in continuing their work on a more advanced level. Projects will stress individual application of photo techniques and ideas. Photographic artists and methods will also be studied. Students will focus on developing a personal style of photo. Students may be required to furnish their own camera and supplies.

**COURSE #: 0757****CREDITS: ½ unit****TYPE OF CREDIT: Fine Art****3D DESIGN****GRADES: 10-12****Prerequisite:** Design Fundamentals

**Course Description:** This course is an introductory class into 3D or sculpture. Students will work on converting 2D drawings and designs into 3D sculptures. Mediums will include an introduction to various sculptural materials. Students should be comfortable with class discussion format critiques and have strong drawing and composition abilities. Students will need additional supplies.

**COURSE #: 0758****CREDITS: ½ Unit****TYPE OF CREDIT: Fine Art****CERAMICS I****GRADES: 10-12****Prerequisite:** Design Fundamentals + one additional studio art class

**Course Description:** This class provides an introduction into hand building and wheel thrown ceramics. Students should have a strong understanding of the elements and principles of art and like to work with their hands. Historical and present styles of ceramics will be explored.

**COURSE #: 0759****CREDITS: ½ Unit****TYPE OF CREDIT: Fine Art****CERAMICS II****GRADES: 10-12****Prerequisite:** Ceramics I, C+ Grade

**Course Description:** This class is a continuation of the clay methods learned in Ceramics I class. Greater emphasis will be placed on problem solving and developing new ideas in clay mediums. Students will have opportunities to mix glazes and experiment with various types of clay.

**COURSE #: 0780****CREDITS: ½ Unit****TYPE OF CREDIT: Fine Art**

**FIBERS****GRADES: 10-12****Prerequisite:** Design Fundamentals  
and additional art credit, C+ Grade**Course Description:** This class involves visualizing textiles and working with dyes and other prewoven media. Students interested should have a strong understanding of color theory and the elements and principles. Students will be asked to purchase supplies for some projects.**COURSE #: 0781****CREDITS: ½ Unit****TYPE OF CREDIT: Fine Art****PORTFOLIO I AND SPECIAL PROJECTS****GRADES: 11-12****Prerequisite:** Design Fundamentals, 2 studio art  
classes and teacher recommendation**Course Description:** Portfolio class is designed for students interested in post high school study of art. Students will work on pieces that will be presented at college interviews and portfolio reviews. Students will also create a CD of digital pictures of their work to be sent to colleges, universities and art institutes. Students will also be on an independent study of required projects, reports, competitions and exhibits (design, setup and execution).**COURSE #: 0782****CREDITS: ½ Unit****TYPE OF CREDIT: Fine Art****PORTFOLIO II****GRADES: 11-12****Prerequisite:** Portfolio I**Course Description:** Portfolio II is a continuation of Portfolio I that offers specific guidance for students pursuing a post-high school art degree. Students will have opportunities for independent studies of their choosing and a chance to finalize projects for their portfolio.**COURSE #: 0783****CREDITS: ½ Unit****TYPE OF CREDIT: Fine Art**

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**BUSINESS, MARKETING and TECHNOLOGY**  
(All courses listed fulfill Practical Arts requirement.)

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**BUSINESS PROGRAM**

**INTRODUCTION TO BUSINESS**  
**GRADES: 9**

**COURSE #: 0911**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Practical Art**

**Course Description:** Students will study basic world economics including the differences in business ownership, banking, checking accounts, stocks, investments, and insurance. Students will explore various career options and will make tentative career decisions. This course also includes a business simulation. This basic overview of the business world should allow students to make appropriate choices about future course work in business. Membership and participation in FBLA, an association for business students will be encouraged.

**COMPUTER APPLICATIONS**  
**GRADES: 9-12**

**COURSE #: 0916 (1<sup>st</sup> semester) and 0917 (2<sup>nd</sup> semester)**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Practical Art**

**Course Description:** Students use Microsoft Office Word, Excel, PowerPoint, and Publisher to create business documents, publications, spreadsheets, and presentations. This introductory class includes a refresher course in keyboarding and fulfills the district technology graduation requirement. Membership and participation in FBLA, an association for business students will be encouraged.

**ADVANCED COMPUTER APPLICATIONS**  
**GRADES: 9-12**

**COURSE #: 0918 (0960 2<sup>nd</sup> Sem. 9<sup>th</sup> grade only)**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Practical Art**

**Prerequisite:** Computer Applications

**Dual/Articulated Credit:** Articulated credit available through MCC if enrollment criteria are met.

**Course Description:** This course is designed to further students' skills in the advanced use of Microsoft Office and will expose students to some of the newest software being offered in the fields of multimedia presentations, basic website design, and financial applications. Students will be encouraged to take the Microsoft Office Specialist Exam (students pay the exam fee if taken). This class should strongly be considered for those students going to college and/or choosing a business career. This class fulfills the district technology graduation requirement. Membership and participation in FBLA, an association for students) will be encouraged.

**BEGINNING C++ PROGRAMMING**  
**GRADES: 10-12**

**COURSE #: 0925**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Practical Art**

**Course Description:** This is an introduction to C++ programming with emphasis on both business and scientific applications and some advanced programming concepts. This class is recommended for students interested in math, engineering, or computer science careers. This class fulfills the district technology graduation requirement. Membership and participation in FBLA, an association for students) will be encouraged.

**AP COMPUTER SCIENCE \***  
**GRADES: 11-12**

**COURSE #: 0953**  
**CREDITS: 1 Unit**

**TYPE OF CREDIT: Practical Art**

**Course Description:** This course allows the student to further develop computer-programming skills by exploring advanced programming concepts and creating a variety of applications. This course is recommended for students interested in math, engineering, or computer science careers. This course prepares the student for the AP Computer Science exam in May and the study of computer science in college. An additional honor point will

be earned for each semester passed of this course. All students are expected to take the AP exam and pay the examination fee. This class fulfills the district technology graduation requirement.

**DESKTOP/MULTIMEDIA**

**GRADES: 10-12**

**COURSE #: 0927**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Practical Art**

**Course Description:** Students will develop basic design and layout skills to create a variety of desktop publishing projects such as advertisements, brochures, and web pages using different software packages and Internet research. Students will also learn presentation software and explore the use of digital cameras, scanners, etc. Membership and participation in FBLA, a student business association, will be encouraged. This class fulfills the district technology graduation requirement.

**VIDEO TECHNOLOGY**

**GRADES: 10-12**

**Prerequisite:** Desktop Multimedia  
or Instructor's Approval

**COURSE #: 0913**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Practical Art**

**Course Description:** Students will learn the basics of digital camcorder operations, video editing, software, and other broadcast equipment by producing a weekly news show. Membership and participation in FBLA, a student business association, will be encouraged. This class fulfills the district technology graduation requirement.

**VIDEO PRODUCTION**

**GRADES: 11-12**

**Prerequisite:** Video Technology

**COURSE #: 0952**

**CREDITS: 1 Unit**

**TYPE OF CREDIT: Practical Art**

**Course Description:** This course will further develop student skills in the use of editing software, digital camcorders, video, and broadcast equipment. Students will be responsible for producing a monthly community cable show. **Students will be required to spend additional time outside of class to complete this program.** Membership and participation in FBLA, a student business association, will be encouraged.

**BUSINESS & PERSONAL LAW**

**GRADES: 11-12**

**COURSE #: 0930**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Practical Art**

**Course Description:** This course is designed to increase student awareness of basic legal concepts and principles. Topics to be discussed include criminal law, tort law, juvenile law, court systems, contracts and insurance. Students will participate in a mock trial. Membership and participation in FBLA, a student business association, will be encouraged.

**BUSINESS TECHNOLOGY\***

**GRADES: 12**

**COURSE #: 0934**

**CREDITS: 1 Unit**

**TYPE OF CREDIT: Practical Art/Elective**

**Dual/Articulated Credit:** 6 hours of credit may be earned for students who meet MCC guidelines. (Business Essentials and Business Communications)

**Course Description:** Students will learn business and computer skills that will be helpful in college and business careers. Students will learn personal, finance, management and social responsibility. Students learn the scope and structure of communications within a business environment including research and formal reports, letters, e-mail, PowerPoint presentations, resumes, and interview techniques. Current technology includes PDA/s, scanners, digital photography, and notebook computers will be utilized. Students may earn six hours of college credit through Metropolitan Community College if they meet MCC prerequisites. The discounted college fee must be paid within the first week of the course. An honor point may be earned for each semester successfully completed. Membership and participation in FBLA, a student business association, will be encouraged.

**BUSINESS TECHNOLOGY–Supervised Business Experience****COURSE #: 0936****GRADES: 12****CREDITS: 1 Unit****Prerequisite:** Enrolled in Business Technology**TYPE OF CREDIT: Practical Art**

**Course Description:** This program will provide on-the-job experience in an approved, supervised work position. Students may receive assistance from the instructor in finding an approved job. Students must also be enrolled in Business Technology (0934) and must pass the class in order to earn credit for Work Release. For Work Release students to be eligible for half-day release from school, they must complete a minimum of 10 hours per week on the job. Students forfeit their eligibility for the 8<sup>th</sup> semester attendance option. Membership and participation in FBLA, a student business association, will be encouraged.

**ACCOUNTING I****COURSE #: 0944****GRADES: 10-12****CREDITS: 1 Unit****TYPE OF CREDIT: Practical Art**

**Recommendation:** Recommended for students planning to study business or accounting in college.

**Course Description:** This course is designed to introduce students to basic accounting concepts and to allow students to explore accounting and related career opportunities. Students will complete accounting cycles for a proprietorship, a partnership, and a corporation. Students will also be introduced to automated accounting systems and will complete accounting projects with available computers. Membership and participation in FBLA, a student business association, will be encouraged.

**ACCOUNTING PRINCIPLES I\*****COURSE #: 0946****GRADES: 11-12****CREDITS: 1 Unit****Prerequisite:** Accounting I**TYPE OF CREDIT: Practical Art**

**Dual/Articulated Credit:** Dual Credit & Articulated Credit is available through MCC if enrollment criteria are met.

**Course Description:** This course will teach the application of the basic accounting equation and more advanced accounting principles including inventories, depreciation, and payroll. This course is recommended for college-bound students who plan to major in any business-related field. Students may earn three hours of college credit through the Metropolitan Community College if they meet MCC prerequisites. The discounted college fee must be paid within the first week of the course. An honor point may be earned each semester when taken for college credit. Membership and participation in FBLA, a student business association, will be encouraged.

**PERSONAL FINANCE****COURSE #: 1503****GRADES: 12****CREDITS: ½ Unit****TYPE OF CREDIT: Personal Finance**

**Course Description:** This course explores practical financial skills necessary for young adults to survive in the world after high school. They will study banking, budgeting, investing, credit card use and abuse, insurance, home and automobile purchases. They will learn job hunting skills by creating resumes and cover letters as well as participate in a mock interview. This course is required for graduation by the State of Missouri as well as the Blue Springs School District. Membership and participation in FBLA, a student business association, will be encouraged.

**PERSONAL FINANCE (1<sup>st</sup> Sem. Only)****COURSE #: 1504****GRADES: 12****CREDITS: ½ Unit****TYPE OF CREDIT: Personal Finance**

See previous course information.

**MARKETING PROGRAM****MARKETING I  
GRADES: 10-12****COURSE #: 0938  
CREDITS: ½ Unit****TYPE OF CREDIT: Practical Art**

**Course Description:** This course is designed to introduce students to areas in marketing and marketing related occupations. Some topics covered include marketing concepts, economics, advertising, sales promotion and salesmanship. Students will use a variety of technology designed to help students understand the real world of perspective retail business. Credit in this course makes the student eligible to apply for enrollment in Marketing II and Marketing Internship during their senior year. Membership and participation in DECA, an association of marketing students, will be encouraged.

**BUSINESS OWNERSHIP & MANAGEMENT  
GRADES: 11-12****Course #: 0948  
CREDITS: ½ Unit****TYPE OF CREDIT: Practical Art**

**Course Description:** This course is designed for students wishing to gain knowledge of business ownership and management, practices and principles. Students will be provided with a background from the role of the entrepreneur, and discuss topics including creating a business plan, business location, forms of ownership, obtaining financing, managing and marketing a business. Participation in DECA, a student organization that prepares students for occupations in marketing and management, will be encouraged.

**SPORTS AND ENTERTAINMENT MARKETING  
GRADES: 10-12****COURSE #: 0962  
CREDITS: ½ Unit****TYPE OF CREDIT: Practical Art****Prerequisite:** Marketing I

**Course Description:** The field of sports and entertainment marketing is rapidly growing. This course will introduce students to sports and entertainment industries, types of products, marketing concepts and theories that apply to this industry. The areas this course will cover include product and pricing strategies; market research and segmentation; promotion, publicity and public relations; sponsorships, endorsements, and event management. Students taking marketing classes have the opportunity to participate in DECA, an association of marketing students.

**MARKETING II  
GRADES: 12****COURSE #: 0940  
CREDITS: 1 Unit****TYPE OF CREDIT: Practical Art****Prerequisite:** Marketing I recommended  
or Marketing teacher approval**Dual/Articulated Credit:** Articulated credit available through MCC if enrollment criteria are met.

**Course Description:** This program is designed for the student who is interested in a career in the areas of business marketing or business administration. Subject areas covered in the classroom include human relations in business, marketing, & economic concepts, business communications, advertising & promotion, salesmanship, marketing research & planning and many others. Each of these topics is approached from a supervisory/management point of view. This course coordinates class work with on-the-job training and is required for all students who will be employed in a retail related job while in the half-day internship program. Students must pass this course in order to earn credit for Marketing Internship (0942). A student in Marketing Education II will be encouraged to join DECA, an association of marketing students. DECA activities include various conferences, sales projects, civic activities, and district, state, and national competitive events.

**MARKETING PRINCIPLES BSAD 204 & 205\*  
GRADES: 11-12****COURSE #: 0956  
CREDITS: 1 Unit****TYPES OF CREDIT: Practical Art****Prerequisite:** Marketing I with a grade of C or better

**Dual/Articulated Credit:** 6 hours of college credit through MCC if they meet MCC prerequisites. The discounted college fee must be paid within the first week of the course. An honor point may be earned each semester when taken for college credit.

**Course Description:** Marketing Principles BSAD 204 & 205 involves the structure of marketing institutions and management styles in a global environment. The course includes analysis of marketing functions, consumer behavior, segmentation, market research, product planning, pricing, promotion, distribution and marketing strategies. Internet and electronic mail activities are integrated to develop competencies in data collection, application and task analysis. This course is recommended for college-bound students who plan to major in any business-related field. DECA, a marketing association for students, will be encouraged for all students.

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**MARKETING INTERNSHIP**

**COURSE #: 0942**

**GRADES: 12**

**CREDITS: 1 Unit**

**Prerequisite:** Must be enrolled in Marketing II or Marketing Principles BSAD 204 & 205

**TYPE OF CREDIT: Practical Art**

**Course Description:** The student will receive practical on-the-job experience in a supervised work position that has been approved before enrolling by the teacher coordinating the program. Students must be enrolled in Marketing II or Marketing Principles and must pass the class in school in order to earn credit for internship. For students to be eligible for half-day release from school, they must complete a minimum of 15 hours per week on the job. Students who work an average of 25 hours per week are eligible for an additional credit. Students also forfeit their eligibility for the 8<sup>th</sup> semester attendance option.

\*Students enrolling in dual credit and/or AP classes need to check with the college/university they are planning on attending regarding transferability and acceptable grades.

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**COMMUNICATION ARTS**


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**ENGLISH I**  
**GRADES: 9**
**COURSE #: 0104**  
**CREDITS: 1 Unit**
**TYPE OF CREDIT: English**

**Course Description:** Students will review basic grammar and will appropriately apply usage rules in their writing. They will write personal experience and analytical essays and will write essay responses on their literature examples. They will read fiction, nonfiction, poetry, and drama, and will improve their vocabulary skills, their study skills, and their ability to synthesize data, draw conclusions, and organize information for research report writing.

**ENGLISH I LITERATURE AND COMPOSITION**  
**GRADES: 9**
**COURSE #: 0188**  
**CREDITS: 1 Unit**
**TYPE OF CREDIT: English**

**Recommendation:** “A” or “B” in both semesters of 8<sup>th</sup> grade English.

**Course Description:** Students will review grammar and usage rules and will apply them in personal experience, analytical and persuasive essays. They will read more challenging literature than is read in English I and will begin preparing for the PLAN (pre-ACT) test by working on practices that simulate the test. They will improve their vocabulary and will write short research-based essays. English I Literature and Composition fulfills the first unit of English required for graduation.

**ENGLISH II**  
**GRADES: 10**
**COURSE #: 0112**  
**CREDITS: 1 Unit**
**TYPE OF CREDIT: English**

**Prerequisite:** A student must pass or be concurrently enrolled in one semester of English I before he/she can take English II or World Literature and Composition.

**Course Description:** Students will review usage rules essential to good writing and will learn to apply these to their own writing. They will write essays of analysis and will employ and enhance their research and library skills in writing a research essay. Students will read world literature selections of poetry, fiction, and drama and will write essay responses to their reading. They will also work on vocabulary improvement and will continue to develop their study skills, their organizational and reasoning skills, and their inferential-level reading skills.

**WORLD LITERATURE AND COMPOSITION**  
**GRADES: 10**
**COURSE #: 0114**  
**CREDITS: 1 Unit**
**TYPE OF CREDIT: English**

**Recommendation:** Grade B or above in English I or English I Literature & Composition

**Course Description:** This course, intended for students who like to read literature and to write about literature, will involve the reading of major texts in the genres of fiction, nonfiction, poetry and drama. Students will read a larger number of literary works, will read more challenging literature, and will write more than in English II. They will also work on grammar and vocabulary skills in preparation for the PLAN and PSAT tests. The class will include extensive research projects. World Lit. & Comp fulfills the second unit of English required for graduation.

**ENGLISH III**  
**GRADES: 11**
**COURSE #: 0120**  
**CREDITS: 1 Unit**
**TYPE OF CREDIT: English**

**Prerequisite:** A student must have passed or be concurrently enrolled in one semester of English II before he/she can enroll in English III or AP English Language

**Course Description:** Students will further develop their skills in composition, research, analysis, problem solving, and critical thinking. This course involves a review of the structure of English and of study skills.

Students will also work on usage skills in preparation for the ACT. Students will develop their skills in drawing inferences in their reading and in analysis. Students will discuss major themes in American literature. Students will write essay responses and improve their library and research skills.

**AP ENGLISH LANGUAGE & COMPOSITION (American Lit)\***

**COURSE #: 0123**

**GRADES: 11**

**CREDITS: 1 Unit**

**Prerequisite:** Successful completion of English II or World Lit & Comp

**TYPE OF CREDIT: English**

**Recommendation:** Grade of “B” or above in World Lit & Comp or English II

**Course Description:** Students will read and analyze the structure, rhetorical strategies and themes developed in various prose texts, focusing on nonfiction writings by essayists, journalists,, political writers, biographers and historians, and social critics; they will also read at least two major American literary works, focusing on rhetorical techniques used to develop themes in those tests. They will also hone their skills in writing persuasive essays, textual analysis essays, and arguments with research-based support. This course will prepare students for college writing assignments, for the AP English Language and Composition Exam, and for the reading and English ACT tests. An additional honor point will be given for the successful completion of each semester of this course.

**ENGLISH IV**

**COURSE #: 0138**

**GRADES: 12**

**CREDITS: 1 Unit**

**Prerequisite:** English III or American Lit & Comp

**TYPE OF CREDIT: English**

**Course Description:** This course is designed for the college-bound student who successfully completes English III with average to above average grades. The course further develops writing skills in the expository modes and literary analysis skills. The first semester will focus on British literature from its beginnings through the seventeenth century; the second semester will focus on British literature from the eighteenth century to the present. Students will also review grammar, usage, and rhetorical skills in preparation for the English section of the ACT.

**AP ENGLISH LITERATURE & COMPOSITION\***

**COURSE #: 0140**

**GRADES: 12**

**CREDITS: 1 Unit**

**Prerequisite:** English III or American Literature & Composition

**TYPE OF CREDIT: English**

**Course Description:** This course provides an in-depth study of major works in literature, concentrating on the skills of analysis and evaluation of literary texts which will prepare the student for the AP English Literature & Composition exam in May of the senior year and for advanced studies in college. An honor point may be earned for each semester. It is recommended that students have earned an “A” or “B” in English III or American Lit & Comp, have strong verbal skills, and have good study and attendance habits. The student’s English teacher’s recommendation may be requested. All students are expected to take the AP exam and pay the examination fee.

**ENGLISH COMPOSITION 110\***

**COURSE #: 0186**

**GRADES: 11-12**

**CREDITS: ½ Unit**

**Prerequisite:** 3.0 GPA & UMKC application approval requirements

**TYPE OF CREDIT: English**

**11<sup>th</sup> grade students enrolling in this class must still be enrolled in English III or AP English Language**

**Recommendation:** Teacher’s recommendation and a portfolio evaluated by the 110 instructor

**Dual/Articulated Credit:** 3 hours

**Course Description:** This intensive writing and reading course builds on the student’s past writing experiences and provides the opportunity to develop a more sophisticated writing process. Students will develop critical thinking and reading skills as they read and respond to a variety of texts exploring social, historical, and cultural contexts. Students will develop their critical thinking and writing skills as they draft a series of papers. This course offers the possibility of earning three (3) college credit hours in English Composition through UMKC. Students must meet the enrollment criteria established by UMKC. Students may also earn one weighted/honor point for successful completion of this course for college credit. The UMKC fee is required for earning college credit.

**ENGLISH 214—INTRODUCTION TO FICTION\*****COURSE #: 0187****GRADES 11-12****CREDITS: ½ Unit****Prerequisite:** 3.0 GPA and UMKC approval**TYPE OF CREDIT: English****Dual/Articulated Credit:** 3 Hours

**Course Description:** This course involves the critical reading of short stories and novels selected from all periods of English, American, and European literatures. This course will introduce the systematic study of fiction as a literary genre and will equip students for more advanced work in literature. Writing assignments are designed to aid in the understanding of the structure and content of the texts used. This course offers the possibility of earning three (3) college credit hours in English 214, Intro to Fiction, through UMKC. Students must meet the enrollment criteria established by UMKC. Students may also earn one weighted/honor point for successful completion of this course for college credit. The UMKC fee is required for earning college credit.

**MODERN NONFICTION****COURSE #: 0189****GRADES: 12****CREDITS: ½ Unit****Prerequisite:** English III or American Lit**TYPE OF CREDIT: English Elective**

**Course Description:** Students will read a variety of nonfiction such as the newspaper and magazines articles, biographies, essays, speeches, memoirs, docudramas, investigative reports. The course will include a wide range of strategies to comprehend, interpret, evaluate and appreciate texts e.g., class discussions, presentations, tests, group work, and writing.

**COMPUTER COMPOSITION****COURSE #: 0182****GRADES: 12****CREDITS: ½ Unit****Prerequisite:** English III or American Lit & Comp**TYPE OF CREDIT: English Elective**

**Course Description:** Intended for students who want to improve the writing skills developed in previous English courses, this course is based on the writing process approach. Students will learn prewriting, composing, revising, and editing techniques. Students will also study published essay models and will learn a process for essay analysis and evaluation. Grammar and usage skills will be reviewed in preparation for the ACT.

**MODERN LITERATURE****COURSE #: 0180****GRADES: 12****CREDITS: ½ Unit****Prerequisite:** English III or American Lit & Comp**TYPE OF CREDIT: English Elective**

**Course Description:** Students will read and explore a variety of literary works, including short stories, novels, plays, and films from varied cultures. The study of the works will emphasize an understanding of traditions unique to the various cultures. Students will learn and practice strategies to improve comprehension and will develop their analytical skills. Writing assignments will be expository and will emphasize analysis, evaluation and persuasion. Tests over the literature studied will include items requiring critical thinking and problem solving. It is recommended that Modern Literature be taken in conjunction with Computer Composition.

**CREATIVE WRITING I****COURSE #: 0154****GRADES: 10-12****CREDITS: ½ Unit****TYPE OF CREDIT: English Elective**

**Course Description:** This course is designed for creative, original thinkers who like to write. Students will write short stories, poetry, and magazine articles. Students will be expected to keep class journals. Since grammar and usage are not taught in this course, students who enroll should have competency in these.

**CREATIVE WRITING II****COURSE #: 0158****GRADES: 10-12****CREDITS: ½ Unit**

**Prerequisite:** Creative Writing I and teacher approval are required for enrollment.

**TYPE OF CREDIT: English Elective**

**Course Description:** Available to sophomores, juniors and seniors who have shown proficiency in Creative Writing I, this course further develops individual abilities in writing poetry, short stories, and plays. Students will

keep personal and class journals and will have the opportunity to compete in writing contests. Members of this class will be the production staff for the school's literary magazine.

**AMERICAN ARTS & CULTURE SINCE WWII**  
**GRADES: 11-12**

**COURSE #: 1530**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: English Elective**

**Course Description:** Students will consider and respond to several essential questions about the American culture in the post-World War II era. Through work on individual and group research, decision-making activities, simulations, and oral and written performances, students will practice organizing and analyzing skills and will reflect on the major cultural changes in our society since World War II.

**JOURNALISM I (BSHS only)**  
**GRADES: 9-11**

**COURSE #: 0168**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Elective**

**Course Description:** Journalism I is a semester course that introduces students to the fundamentals of *both* newspaper and yearbook (magazine) journalism. Students are introduced to the responsibilities and ethics of journalists and to journalistic ethics. This course emphasizes learning to write news, features, editorials and sports stories. Students are also introduced to headline writing, copy editing, and layout and design. This course will also cover some fundamentals of 35mm photography, advertising, and journalism law, and the duties of editors, assistant editors, and copy and layout editors. The fundamentals of layout and design will be covered, and students will become proficient in using the software for word processing and desktop publishing.

**JOURNALISM I (BSSHS only)**  
**GRADES: 9-11**

**COURSE #: 0167**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Elective**

See previous course description.

**PHOTOJOURNALISM I**  
**GRADES: 10-12**

**COURSE #: 0169**

**CREDITS: 1 Unit**

**TYPE OF CREDIT: Elective**

**Prerequisite:** Journalism I

**Recommendation:** "B" in previous English class

**Course Description:** The students in this journalism course will produce the photographs for the school newspaper and yearbook. Meeting deadlines is a necessity! This class involves after-school work. The students' coursework will prepare them for entrance into a college journalism program. Students interested in photography for this publication should see the **adviser** for information.

**NEWSPAPER I**  
**GRADES: 10-12**

**COURSE #: 0166**

**CREDITS: 1 Unit**

**TYPE OF CREDIT: Elective, Practical Arts**

**Prerequisite:** Journalism

**Recommendation:** A "B" average in previous English class

**Course Description:** Newspaper I is a full-year course that will give students the opportunity to experience all facets of newspaper journalism, including writing, copy editing, layout and design, photography, advertising and production. Students will experience the responsibilities of newspaper journalists as part of the school newspaper staff. Students will write news features, editorials and sports stories for the school newspaper and will be able to apply for positions as section editors and assistant editors on the staff. Students will experience the duties of headline writing, copyediting, and layout and design. They will become proficient in using the software for word processing and desktop publishing in the computer labs as they help the advanced newspaper students produce each edition of the school paper. The course will prepare students for entrance into the Newspaper II class as seniors.

**NEWSPAPER II****COURSE #: 0170****GRADES: 11-12****CREDITS: 1 Unit****Prerequisite:** Newspaper I or Journalism I, and Newspaper teacher's approval.**TYPE OF CREDIT: Elective, Practical Arts**

**Course Description:** Newspaper II is a full-year course that will give students the opportunity to experience all facets of newspaper production, including writing, reporting, in-depth reporting, copy editing, layout and design, photography, and advertising. Students learn the responsibilities of newspaper journalists as editors on the school newspaper staff. Students will write news, features, editorials, sports columns, and in-depth stories for the school newspaper. They will serve as editors and assistant editors on the staff. Because of the hands-on nature of the class, students will prepare for a future in journalism.

**YEARBOOK I****COURSE #: 0176****GRADES: 10-12****CREDITS: 1 Unit****Prerequisite:** Journalism I**TYPE OF CREDIT: Elective, Practical Arts****Recommendation:** "B" in previous English class

**Course Description:** The students in this course will learn the skills necessary for yearbook production. The class covers all the fundamentals, including copy writing, editing, layout design, planning, organization, and photography. Students will learn the software used for computer production and will be assigned articles for the yearbook publication. This course will prepare the student for entrance into advanced yearbook.

**YEARBOOK II****COURSE #: 0178****GRADES: 11-12****CREDITS: 1 Unit****Prerequisite:** Journalism I, Yearbook I,**TYPE OF CREDIT: Elective, Practical Arts**

minimum of "B" in the previous English class and yearbook teacher approval

**Course Description:** The students in this advanced journalism course will produce the school yearbook. Each person handles certain portions of the book; meeting deadlines is a necessity. This course involves after-school work. Students interested in photography for this publication should see the advisor for information.

\*Students enrolling in dual credit and/or AP classes need to check with the college/university they are planning on attending regarding transferability and acceptable grades.

**FAMILY AND CONSUMER SCIENCES**  
(All courses listed fulfill Practical Arts requirement.)

**INTRODUCTION TO FAMILY & CONSUMER SCIENCES**  
**GRADES: 9 (Freshman Center Only)**

**COURSE #: 1110**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Practical Art**

**Course Description:** This course offers students the opportunity to learn skills for independent living. Topics to be covered include career and family leadership, childcare, clothing, consumer education, family and individual health, family living, and parenthood, food preparation skills, careers, and housing.

**NUTRITION & WELLNESS**  
**GRADES: 9 (Freshman Center only)**

**COURSE #: 1153**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Practical Art**

**Course Description:** This is an introductory course in basic nutrition that will cover the following topics: safety and sanitation in the kitchen, kitchen management, basic food purchasing, microwave cooking, grains, preparation and storage skills, dietary needs throughout the life cycle, and food service career exploration. Sports nutrition, eating disorders, and malnutrition are explored in depth. This course involves a variety of classroom techniques as well as laboratory experienced. Membership and participation in FCCLA, a student organization to promote Family and Consumer Science is encouraged.

**INTRODUCTION TO CULINARY ARTS**  
**GRADES: 10-12**

**COURSE #: 1112 (1<sup>st</sup> sem.) & 1113 (2<sup>nd</sup> sem.)**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Practical Art**

**Course Description:** This is the introductory course for students interested in learning about nutrition and food preparation or earning a ProStart Culinary Arts certificate and/or college credit. The focus of instruction is on fundamental nutrition, safety and sanitation procedures, equipment usage, recipe basics, and food preparation techniques. Culinary skills will include healthy snacks, breakfast foods, fruit and vegetables, sandwiches and baking. This is the first of 4 courses that must be taken to earn the certificate and/or college credit. Students are eligible to try out for FCCLA or ProStart culinary competition teams. Membership and participation in FCCLA, a student organization to promote Family and Consumer Science, is encouraged.

**CULINARY SKILLS I**  
**GRADES: 10-12**

**COURSE #: 1114 (1<sup>st</sup> sem.) & 1115 (2<sup>nd</sup> sem.)**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Practical Art**

**Prerequisite:** Intro to Culinary Arts

**Course Description:** This class is a continuation of Introduction to Culinary Arts with more in-depth study of food preparation techniques and culinary skills used in the restaurant industry. Topics include salads, garnishing, food art, seasonings and flavorings, dairy products, cake decorating, and baked goods. Students will also study working with people, business math, and controlling food service costs. Students are eligible to try out for FCCLA or ProStart culinary competition teams. Membership and participation in FCCLA, a student organization to promote Family and Consumer Science, is encouraged.

**CULINARY SKILLS II**      **COURSE #: 1150**  
**GRADES: 11-12**

**CREDITS: ½ Unit**

**Prerequisites:** Culinary Skills I

**TYPE OF CREDIT: Practical Art**

**Course Description:** This class is designed for students who wish to expand their knowledge of nutrition and food preparation skills or may be interested in a career in the food service industry. Food preparation techniques for potatoes, grains, meats, fish, poultry, stock, soups, sauces, candy making, and deserts will be learned. Additional topics include history of food service, the lodging industry, and the art of service. Students are eligible to try out for FCCLA or ProStart culinary competition teams. Membership and participation in FCCLA, a student organization to promote Family and Consumer Science, is encouraged.

**WORLD FOODS****GRADES: 11-12****Prerequisite:** Culinary Skills I**COURSE #: 1152****CREDITS: ½ Unit****TYPE OF CREDIT: Practical Art**

**Course Description:** This class is for students who enjoy food preparation or are planning a career in the food service industry. Units of study include influences on eating habits, the cuisine of Regional America and the culture and cuisines of Mexico, Spain, Germany, Italy, Greece, France, China, and Japan. Additional cuisines are determined by student interest. Food service topics include purchasing and inventory control, accounting practices, tourism and the retail industry, communication with customers, marketing, and the menu. Interdisciplinary class work may occur in some units of study. Students are eligible to try out for FCCLA or ProStart culinary competition teams. Membership and participation in FCCLA, a student organization to promote Family and Consumer Science, is encouraged.

**CHILD DEVELOPMENT****GRADES: 9-12****COURSE #: 1116 (1<sup>st</sup> sem.) & 1117 (2<sup>nd</sup> sem.)****CREDITS: ½ Unit****TYPE OF CREDIT: Practical Art**

**Course Description:** This course is intended for those who take seriously the responsibility of parenthood and/or plan to work in a child-related profession. Emphasis is on parenting skills, teenage pregnancy, childbirth, prenatal and postnatal care of infants, developmental patterns of children, and the effects of heredity and environmental. Child safety, child abuse, career opportunities, and other related topics to the developing child will be discussed. Membership and participation in FCCLA, a student organization to promote family and consumer science, is encouraged.

**CHILD CARE & GUIDANCE****GRADES: 10-12****Prerequisite:** Child Development**COURSE #: 1118 (1<sup>st</sup> sem.) and 1119 (2<sup>nd</sup> sem.)****CREDITS: ½ Unit****TYPE OF CREDIT: Practical Art**

**Course Description:** Course content will include childcare and development concepts that have significance for those who are interested in working in a child care occupation or other child-related profession, as well as for potential parents. An actual preschool situation will be provided. Emphasis will be on early childhood education. Students will be responsible for children aged three to five, three times a week. Students are required to teach the preschoolers and write a case study regarding the development and progress of one preschooler in the class. Observation journals and active participation will also be required of students. Membership and participation in FCCLA, a student organization to promote family and consumer science, is encouraged.

**ADVANCED CHILD CARE****GRADES: 11-12****Prerequisite:** Child Care 1118 or 1119**COURSE #: 1120****CREDITS: ½ Unit****TYPE OF CREDIT: Practical Art**

Must pass Child Care & Guidance with a grade of "C" or better

**Course Description:** Course content will include childcare and development concepts that have significance for those who are interested in working in a child care occupation or other child-related profession, as well as for potential parents. An actual preschool situation will be provided. Emphasis will be on early childhood education. Students will be responsible for children aged three to five, three times a week. Students are required to teach the preschoolers and prepare a teaching portfolio. Observation journals and active participation will also be required of students. Membership and participation in FCCLA, a student organization to promote family and consumer science, is encouraged.

**FASHION & APPAREL I****GRADES: 10-12****COURSE #: 1121****CREDITS: ½ Unit****TYPE OF CREDIT: Practical Art**

**Course Description:** Fashion & Apparel I will involve students in critical thinking through fashion and consumer awareness, clothing selection and care, project construction, technology, and careers. Students will design original fashion silhouettes, create window dressings, and study the fashion industry's impact on the consumer. This class is designed as an introductory course for students who have little or no experience with

sewing and clothing construction. Students will select their own patterns, with approval, and sew garments to learn basic sewing techniques. Students are responsible for sewing supplies and fabric for construction of projects, which may cost from \$75 and up, depending on projects selected. Membership and participation in FCCLA, a student organization to promote family and consumer science, is encouraged.

## **FASHION & APPAREL II**

**COURSE #:** 1122

**GRADES:** 10-12

**CREDITS:** ½ Unit

**Prerequisite:** Fashion & Apparel I

**TYPE OF CREDIT:** Practical Art

**Course Description.** This course is designed for students who have a strong interest in textiles or fashion. Students explore fashion and textile career opportunities and fashion publications. Students discuss and apply basic entrepreneurship opportunities and develop leadership and employability skills. Students study textiles, historic costumes, fabric, fit and pattern selection, and learn how to evaluate ready-to-wear and hand-constructed garments. A variety of visual merchandising displays, including a “store” window will be required. Students discuss fashion designers and develop an original fashion with design inspiration and sketches. The fashion projects created in this course use more advanced techniques and difficulty. Students are responsible for sewing supplies and fabric for the construction of projects, which may cost from \$75 and up, depending on projects selected. Membership and participation in FCCLA, a student organization to promote family and consumer science, is encouraged.

## **HOUSING & HOME FURNISHINGS**

**COURSE #:** 1128

**GRADES:** 10-12

**CREDITS:** ½ Unit

**TYPE OF CREDIT:** Practical Art

**Course Description:** Course content includes types of housing, determining when to buy, build or rent a home, guides to architecture, construction, home financing, fundamental principles of home planning, floor plans, work centers, traffic patterns, energy efficiency, use and effect of colors, study of furniture styles, furniture selection and arrangement, wall and floor coverings and window treatments. Students will draw a floor plan to scale and arrange furniture in the rooms according to set guidelines. This course involves some math skills and does not deal strictly with interior design. Membership and participation in FCCLA, a student organization to promote family and consumer science, is encouraged.

## **FAMILY RELATIONS**

**COURSE #:** 1130

**GRADES:** 11-12

**CREDITS:** ½ Unit

**TYPE OF CREDIT:** Practical Art

**Course Description:** Family Relations is a class for Juniors and Seniors about the inter-relationships among family members. Course content helps students to understand the problems that can occur in families and the student’s role in those situations. Subject areas studied are personal growth, development of reasoning skills, family functions, the life cycle of a family, handling conflict and communication in families, constructive ways of handling stress, dating, mate selection and marriage laws and customs. Membership and participation in FCCLA, a student organization to promote family and consumer science, is encouraged.

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**FOREIGN LANGUAGE**


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(Elective credit only; these do not fulfill a specific graduation requirement. Many colleges require foreign language in high school for admission. Check with the college of your choice. American Sign Language is considered a foreign language by some colleges and universities.)

**FRENCH I** **COURSE #: 0602**  
**GRADES: 9-12** **CREDITS: 1 Unit**  
**TYPE OF CREDIT: Elective**

**Course Description:** This class consists of basic skills in speaking, listening, comprehension, reading, writing and culture with an introduction to simple grammar. Any student who has passed Level I of this class with a “B” or above during the eighth grade, and who wishes to continue courses in the same language, will be required to enroll in Level II for ninth grade.

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**FRENCH II** **COURSE #: 0606**  
**GRADES: 9-12** **CREDITS: 1 Unit**  
**Prerequisite:** French I **TYPE OF CREDIT: Elective**

**Course Description:** This class is a continuation of study of the skills acquired in French I with an emphasis on writing and more complex grammar.

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**FRENCH III** **COURSE #: 0610**  
**GRADES: 10-12** **CREDITS: 1 Unit**  
**Prerequisite:** French II **TYPE OF CREDIT: Elective**

**Course Description:** This class is designed for students who wish to continue their study of the French language. Emphasis is on increased verbal skill, more complex grammar, expanded vocabulary, and increased ability in reading and writing.

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**ADVANCED FRENCH LITERATURE,  
 COMPOSITION & CONVERSATION** **COURSE #: 0618**  
**GRADES: 11-12** **CREDITS: 1 Unit**  
**TYPE OF CREDIT: Elective**

**Prerequisite:** Successful completion of French III

**Course Description:** This course will include the study of the classic French literature, culture, and history. Emphasis will be placed on advanced readings, composition and conversation in French.

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**AP FRENCH\*** **COURSE #: 0614**  
**GRADES: 11-12** **CREDITS: 1 Unit**  
**Prerequisite:** Successful completion of **TYPE OF CREDIT: Elective**  
 French III or teacher recommendation

**Course Description:** This course is a thorough language review course for upper French students preparing to take the college AP examination. Emphasis will be placed on the practice of reading, writing, listening, and speaking French as tested in the AP examination. A weighted/honor point may be earned for each semester passed. All students are expected to take the AP exam and pay the examination fee.

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**SPANISH I** **COURSE #: 0622**  
**GRADES: 9-12** **CREDITS: 1 Unit**  
**TYPE OF CREDIT: Elective**

**Course Description:** This class consists of basic skills in speaking, listening comprehension, reading, writing and culture with an introduction to simple grammar. Any student who has passed level I of this class with a “B” or above during eighth grade, and who wishes to continue courses in the same language, will be required to enroll in level II for ninth grade.

**SPANISH II** COURSE #: 0626  
**GRADES: 9-12** CREDITS: 1 Unit  
**Prerequisite:** Spanish I **TYPE OF CREDIT: Elective**  
**Course Description:** This class is a continuation of study of the skills acquired in Spanish I with an emphasis on writing and more complex grammar.

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**SPANISH III** COURSE #: 0630  
**GRADES: 10-12** CREDITS: 1 Unit  
**Prerequisite:** Spanish II **TYPE OF CREDIT: Elective**  
**Course Description:** This class is designed for those students who wish to continue their study of the Spanish language. Emphasis is on increased verbal skill, more complex grammar, expanded vocabulary, and increased ability in reading and writing.

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**ADVANCED SPANISH LITERATURE,** COURSE #: 0639  
**COMPOSITION & CONVERSATION I** CREDITS: 1 Unit  
**GRADES: 11-12** **TYPE OF CREDIT: Elective**  
**Prerequisite:** Successful completion of Spanish III  
**Course Description:** This class will be a continuation of Spanish for those students who are more serious language students. The class will center on literature, including poetry, drama, short stories, and excerpts of novels. The students will work on skills in reading, writing, speaking, and listening in Spanish.

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**PRE-AP SPANISH** COURSE #: 0636  
**GRADES: 11-12** CREDITS: 1 Unit  
**Prerequisite:** Spanish III **TYPE OF CREDIT: Elective**  
**Recommendation:** Teacher recommendation  
**Course Description:** This course is designed for those students with a strong background in Spanish. This rapidly paced course will prepare students for the rigors of AP Spanish. It is designed to review and build on grammatical points as tested on the AP Spanish exam. The course will also provide opportunities to improve reading, writing, listening and speaking skills. One honor point may be earned for the successful completion of this full-year course at the end of the year.

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**AP SPANISH\*** COURSE #: 0634  
**GRADES: 11-12** CREDITS: 1 Unit  
**Prerequisite:** Successful completion of Spanish III **TYPE OF CREDIT: Elective**  
**Course Description:** This course is a thorough language review course for upper level Spanish students preparing to take the college AP examination. Emphasis will be placed on the practice of reading, writing, listening, and speaking in Spanish as tested in the AP examination. A weighted/honor point may be earned for each semester passed. All students are expected to take the AP exam and pay the examination fee.

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**GERMAN I** COURSE #: 0642  
**GRADES: 9-12** CREDITS: 1 Unit  
**TYPE OF CREDIT: Elective**  
**Course Description:** This course consists of basic skills in speaking, listening, comprehension, reading and writing. A verbal approach will be used as a foundation for learning German. Cultural aspects of German-speaking nations will be blended into the course where appropriate.

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**GERMAN II** COURSE #: 0646  
**GRADES: 9-12** CREDITS: 1 Unit  
**Prerequisite:** German I **TYPE OF CREDIT: Elective**  
**Course Description:** This course continues the studies and skills acquired in German I. Emphasis will be given to complex grammar points, advanced verbal skills and increased reading and writing ability as well as the cultural aspects of German speaking countries.

**GERMAN III/College I****GRADES: 10-12****Prerequisite:** German III and/or instructor's approval, 3.0 GPA. UMKC enrollment guidelines**Recommendations:** Minimum grade of "C" in prerequisite course or proficiency assessment**Dual Credit:** 5 hours per semester of credit (German 110 first semester and German 120 second semester) may be earned by students who successfully complete the UMKC course requirements as outlined in the instructor's syllabus and the university catalogue. Grades are recorded on the student's UM system transcript. UMKC will direct bill at reduced rates or provide tuition assistance to concurrently enrolled students.**Course Description:** This course continues to develop all four language skills (to read and write in simple prose as well as listen, understand, and speak simple discourse) in German. Students will learn expanded structures of German grammar and increase their ability using these structures communicatively by talking in class and through short writing assignments. Students will also learn about German culture and history through readings and class discussions. Students will be introduced to German literature and will watch a German feature film. An additional weighted/honor point may be earned for each semester passed of this course.**COURSE #: 0651****CREDITS: 1 Unit****TYPE OF CREDIT: Elective****AP GERMAN\*****GRADES: 11-12****Prerequisite:** Successful completion of German III or teacher recommendation**Course Description:** This course is designed to be a thorough language review course for upper level German students preparing to take the college AP examination. Emphasis is placed on the practice of reading, writing, listening and speaking in German as tested in the AP examination. Assessment will follow AP exam standards. An additional weighted/honor point may be earned for each semester passed of this course. All students are expected to take the AP exam and pay the examination fee.**COURSE #: 0654****CREDITS: 1 Unit****TYPE OF CREDIT: Elective****CHINESE I****GRADES: 10-12****Course Description:** This course teaches the fundamentals of Mandarin Chinese and introduces the cultures of the Chinese-speaking people. It emphasizes the basic skills of listening, speaking, reading, and writing; the use of practical vocabulary (greetings, school, leisure activities, family, food); and elementary grammar. Students listen to and tell stories, write short creative stories, and develop reading skills. Because of the complexity of the written and spoken language, a higher level of dedication and time outside of class are required. Active class participation is essential. Because this class emphasizes communication, regular attendance is required.**COURSE #: 0660****CREDITS: 1 Unit****TYPE OF CREDIT: Elective****CHINESE II****GRADES: 10-12****Prerequisite:** Chinese I**Course Description:** This is a second year language study, with emphasis on improving pronunciation, accent and intonation. Students learn to converse comfortably and listen to the spoken language for the main message. Students continue to study the everyday life, customs, and culture of China.**COURSE #: 0661****CREDITS: 1 Unit****TYPE OF CREDIT: Elective****GRADES: 11-12****Prerequisite:** Chinese II**Course Description:** This course will continue to focus on helping students increase their active vocabulary, improve their reading, and writing in Mandarin Chinese. Students are expected to participate in class discussions in order to develop their listening and speaking skills.**CREDITS: 1 Unit****TYPE OF CREDIT: Elective****CHINESE III COURSE #: 0662**

\*Students enrolling in dual credit and/or AP classes need to check with the college/university they are planning on attending regarding transferability and acceptable grades

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**INDUSTRIAL/TECHNICAL EDUCATION**  
(All courses fulfill Practical Arts requirements.)

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**GENERAL METALS****GRADES: 10-12****COURSE #: 1010****CREDITS: ½ Unit****TYPE OF CREDIT: Practical Art**

**Course Description:** Students in this course will study ferrous and non-ferrous metals as used in everyday life and in industry. This class will offer limited experience in the safe operation of hand and power tools to help students understand processes and develop abilities and interests in technology as it applies to metalworking.

**METALS TECHNOLOGY****GRADES: 10-12****COURSE #: 1012****CREDITS: ½ Unit****TYPE OF CREDIT: Practical Art****Prerequisite:** General Metals

**Course Description:** Through practical experiences in machining metals, casting hot metals, and production technology, students will study tools, materials, safety, and processes in the metal working industry. Students will also be introduced to the growing field of high-tech occupations, and they will become better-educated consumers.

**GENERAL WOODWORKING I****GRADES: 10-12****COURSE #: 1014****CREDITS: ½ Unit****TYPE OF CREDIT: Practical Art**

**Course Description:** The students will study the basic elements of woodworking and develop an interest and understanding of wood technology. Emphasis in this class is on wood identification, problem solving techniques and the development of basic skills and safety with both hand and power tools. By the end of the course the students will sketch, plan, and build a wood project. If students wish to keep their projects, they must pay for the materials used.

**GENERAL WOODWORKING II****GRADES: 10-12****COURSE #: 1015****CREDITS: ½ Unit****TYPE OF CREDIT: Practical Art****Prerequisite:** General Woodworking I with a recommended "C" or above and teacher approval

**Course Description:** This course is for those students who wish to continue developing their skills in woodworking but cannot take the full-year course. Projects in this class will be similar to those in Advanced Woodworking but will be smaller and less difficult to design.

**ADVANCED WOODWORKING****GRADES: 11-12****COURSE #: 1016****CREDITS: 1 Unit****TYPE OF CREDIT: Practical Art****Prerequisite:** General Woodworking I and teacher approval

**Course Description:** The objectives of this course include furniture design and construction and technical woodworking procedures. This class is designed for students interested in developing and refining their woodworking skills by planning and manufacturing instructor-approved projects. The student will be responsible for the cost of all materials used in the construction of their project.

**DRAFTING FUNDAMENTALS I****GRADES: 9-12****COURSE #: 1018****CREDITS: ½ Unit****TYPE OF CREDIT: Practical Art**

**Course Description:** This class will introduce the student to the language of industry and technology. Students will develop skills in the field of technical drawing and computer aided design. No previous experience in drafting is required.

**COMPUTER AIDED DESIGN I      COURSE #: 1034****GRADES: 10-12****CREDITS: ½ Unit****Prerequisite:** Drafting Fundamentals I**TYPE OF CREDIT: Practical Art**

**Course Description:** This course is constructed for students interested in developing computer drafting skills and gaining more technical knowledge of the drafting industry.

**COMPUTER AIDED DESIGN II****COURSE #: 1036****GRADES: 10-12****CREDITS: ½ Unit****Prerequisite:** CAD I**TYPE OF CREDIT: Practical Art**

**Course Description:** Students will further explore the uses of the computer in drafting. CAD drafting is recommended for students interested in various engineering fields.

**MECHANICAL DRAWING I****COURSE #: 1022****GRADES: 11-12****CREDITS: ½ Unit****Prerequisite:** CAD II**TYPE OF CREDIT: Practical Art**

**Course Description:** This course is for students having a desire to increase their drafting skills and to gain more technical knowledge of the drafting industry. The course is mainly mechanical and technical with some possible map work. All work is done with drafting machines and/or computers.

**MECHANICAL DRAWING II****COURSE #: 1023****GRADES: 11-12****CREDITS: ½ Unit****Prerequisite:** Mechanical Drawing I**TYPE OF CREDIT: Practical Art**

**Course Description:** This course is a more in-depth study of the drafting industry and skills needed for successful work in drafting. Mechanical and technical skills are emphasized through work with drafting machines and/or computers.

**ARCHITECTURAL DRAWING****COURSE #: 1024****GRADES: 10-12****CREDITS: 1 Unit****Prerequisite:** Drafting Fundamentals I**TYPE OF CREDIT: Practical Art**

**Course Description:** In this course, basic elements and techniques related to the architectural drawing industry are studied. Students will design and draw plans and details for a three-bedroom home including basement and garage, and they will develop technical drawing skills.

**SMALL ENGINE REPAIR****COURSE #: 1028****GRADES: 10-12****CREDITS: ½ Unit****TYPE OF CREDIT: Practical Art**

**Course Description:** This course is designed to trace the basics of power machines from their historical beginning to the tools, materials, and methods of current small engine repair. This course emphasizes the use, care, and maintenance of the various gauges, tools, materials and testing equipment used in the laboratory. The students will apply what they have learned by disassembling fuel and exhaust systems, ignition systems and lubricating systems. Safety around moving parts and machines will be taught. The various occupations related to the power industries will also be studied. Each student will provide his/her own small gasoline engine for laboratory use. Cost to the student for the class will be for repair parts for the engine

**HOME MAINTENANCE AND REPAIR****COURSE #: 1030****GRADES: 9-12****CREDITS: ½ Unit****TYPE OF CREDIT: Practical Art**

**Course Description:** Maintaining a home and keeping it in good repair will be the main interests in this course. Some of the tools, materials, processes and products associated with the maintenance of the home will be studied. This course will provide occupational information that deals with plumbing, carpentry, house wiring, wall coverings, concrete work, and various other home repairs. A consumer knowledge of safety will also be emphasized throughout this class.

**CONSTRUCTION TECHNOLOGY**  
**GRADES: 11-12****COURSE #: 1032**  
**CREDITS: 3 Units****TYPE OF CREDIT: Practical Art**

**Course Description:** This course is designed for students interested in developing skills and careers in either construction or building remodeling. This course instructs students in architectural blueprints, job scheduling, site layout, a bid formulation, building and zoning laws, and industrial safety. Students will participate in on-the-job activities such as carpentry, metal building fabrication, electrical house wiring, plumbing, concrete technology, and landscaping. Students may voluntarily participate in the new Construction School-To-Careers program. This program allows those students with a B average in Construction Technology their junior year to go directly into a construction job shadowing program the summer before their senior year, and then directly in the construction career upon final graduation. Students that enroll in the volunteer School-to-Careers program their junior year will be eligible for half-day release their senior year to work for a local construction company. This course meets in a three hour block for the entire year. There is no fee to the students.

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**CONSTRUCTION TECHNOLOGY INTERNSHIP**  
**GRADES: 12****COURSE #: 1033**  
**CREDITS: 1 Unit****Prerequisite:** Construction Technology**TYPE OF CREDIT: Practical Art**

**Course Description:** Students are placed in a work release vocational career-training job. This employment is directly related to the development of skills necessary for successful employment in the field of crafts related to all construction. This on-the-job experience is supervised by the Construction Technology instructor, who has been approved by the Missouri Department of Vocational Education. The student must have earned credit in the Construction Technology program the junior year in order to be qualified for this work release program. Students must work a minimum of 15 hours a week on the approved job.

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**MATHEMATICS**


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**ALGEBRA A**  
**GRADES: 9**
**COURSE #: 0318**  
**CREDITS: 1 Unit**  
**TYPE OF CREDIT: Math**

**Course Description:** The subject matter covered in this course is approximately equal to that covered in one semester of the Algebra I class. This course introduces students to Algebra, which is taught at a reduced pace giving the student the extra time and practice needed to master these important skills. After the student passes Algebra A, he/she will be enrolled in Algebra B.

**ALGEBRA B**  
**GRADES: 10**
**COURSE #: 0319**  
**CREDITS: 1 Unit**  
**TYPE OF CREDIT: Math**
**Prerequisite:** Algebra A

**Course Description:** This course is the second of a two-year program designed to give a student the full experience of Algebra I without the fast pace of a single-year course. Algebra B is equivalent to the second semester of Algebra I. The student must successfully complete both Algebra A and Algebra B or Algebra I before enrolling in the next succeeding course.

**ALGEBRA I**  
**GRADES: 9**
**COURSE #: 0330**  
**CREDITS: 1 Unit**  
**TYPE OF CREDIT: Math**

**Course Description:** This course is an entry level course for advanced mathematics classes. The student will begin to work with variables, expression, and basic equations. The student will then progress to solving linear and quadratic equations, graphing those equations and factoring them. Students will also be asked to solve word problems a person may encounter in everyday life situations.

**TECHNICAL GEOMETRY**  
**GRADES: 10-12**
**COURSE #: 0332**  
**CREDITS: 1 Unit**  
**TYPE OF CREDIT: Math**
**Prerequisite:** Algebra B

**Course Description:** This course is designed for those students who will benefit from an application approach to geometric concepts. Focus will be on measurement, including coordinate geometry, area, volume, ratios, proportions, and basic trigonometric formulas.

**GEOMETRY**  
**GRADES: 9-12**
**COURSE #: 0334**  
**CREDITS: 1 Unit**  
**TYPE OF CREDIT: Math**
**Prerequisite:** Algebra I

**Course Description:** This course provides a variety of topics using shapes with problems, proofs, and basic constructions so that the student has the opportunity to analyze and practice independent thinking. This expanded knowledge will allow students to enhance their Algebra skills by using 2-dimensional and 3-dimensional geometric figures and appropriate formulas.

**ALGEBRA II**  
**GRADES: 10-12**
**COURSE #: 0338**  
**CREDITS: 1 Unit**  
**TYPE OF CREDIT: Math**
**Prerequisite:** Geometry or Technical Geometry

**Calculator is TI-83 Plus or TI-84.**

**Course Description:** This course builds upon and extends the concepts, skills and understanding learned in Algebra I. The course will also introduce more advanced topics that will serve as a foundation for Pre-AP Calculus, Trigonometry and College Algebra.

**ADVANCED ALGEBRA****GRADES: 11-12****Prerequisite:** Algebra II**Suggested calculator is TI-83 Plus or TI-84.**

**Course Description:** This course is designed for students who want or need more instruction in the area of algebra. Advanced Algebra will expand upon concepts learned in previous courses. This course will prepare the students for college level work in mathematics.

**COURSE #: 0346****CREDITS: 1 Unit****TYPE OF CREDIT: Math****TRIGONOMETRY****GRADES: 11-12****Prerequisite:** Algebra IIor completion of 1<sup>st</sup> semester Algebra II**Recommendation:** Teacher approval**Suggested calculator is TI-83 Plus or TI-84.**

**Course Description:** This will be a semester course covering only trigonometric concepts, including basic trigonometric ratios, solving right triangles, the unit circle and application problems that involve trig solutions. This course does not satisfy the Calculus AP prerequisites.

**COURSE #: 0348****CREDITS: ½ Unit****TYPE OF CREDIT: Math**

Juniors and Seniors may enroll in the advanced mathematics classes listed below if enrollment criteria are met.

**College Business Calculus, College Algebra, College Statistics, and College Trigonometry** are offered through dual credit under guidelines established through the Metropolitan Community College (MCC). Students must have completed the prerequisite courses; students must have an overall GPA of 3.0; and students must have an appropriate qualifying score on the PLAN, ACT, or COMPASS assessment. The MCC fee is required for college credit. Community college credit is awarded for successful completion of the course. If a student elects to take one of the dual credit classes for no college credit, he/she must still meet district requirements.

**COLLEGE STATISTICS (MATH 115)\*****GRADES: 11-12****Prerequisite:** Algebra II and 3.0 GPA and qualifying score on the PLAN, ACT, or COMPASS assessment**Dual/Articulated Credit:** 3 Sem. Hours – MCC for qualified students

**Course Description:** This course will cover descriptive and inferential statistics, ungrouped and grouped data, elementary probability, discrete and continuous statistical inference, significance and distribution measures, regression and correlation analysis. Students not taking for college credit, must have completed Algebra II in order to enroll.

**COURSE #: 0352****CREDITS: ½ Unit****TYPE OF CREDIT: Math****COLLEGE BUSINESS CALCULUS (Math 175)\*****GRADES: 12**

**Prerequisite:** Qualifying score on the PLAN, ACT, or COMPASS Assessment and successful completion of Pre-Calculus, College Algebra, or Algebra II and 3.0 GPA

**Dual/Articulated Credit:** 3 Sem. Hours – MCC for qualified students

**Course Description:** This course is designed especially for the college-bound student desiring to enter the fields of business or related areas. The student will be introduced to basic calculus identities and functions, along with the application of derivatives and maxima/minima including work with limits. An additional weighted/honor point may be earned for successful completion of this course. The MCC fee is required for college credit and must be paid within the first week of the semester.

**COURSE #: 0354****CREDITS: 1 Unit****TYPE OF CREDIT: Math**

**PRE-AP CALCULUS AB****COURSE #: 0355****GRADES: 11-12****CREDITS: 1 Unit****Prerequisite:** Geometry and Algebra II**TYPE OF CREDIT: Math****Recommendation:** A grade of "A" or "B" in Algebra II & Geometry

**Course Description:** This course is designed for those students with a strong background in Algebra II and Geometry. This rapidly paced course will prepare students for the rigors of AP Calculus. It is designed to go into algebraic and trigonometric concepts in the detail needed for AP Calculus. One honor point may be earned for successful completion of this full-year course at the end of the year.

**AP CALCULUS\*****COURSE #: 0356****GRADES: 12****CREDITS: 1 Unit****Prerequisite:** A letter grade of "B" or higher in Pre-AP Calculus**TYPE OF CREDIT: Math**

**Course Description:** This course is the equivalent of a first semester course in college calculus. Topics covered will be limits, derivatives, integration, the application of derivatives and integrals, sequences, and infinite series. The course is designed to prepare a student for the AP exam in Calculus in May. An additional weighted/honor point may be earned for each semester passed of this course. Students are strongly encouraged to purchase a graphing calculator that may be used on the AP test and will be used in class. All students are expected to take the AP exam and pay the examination fee.

**COLLEGE ALGEBRA PREP/COLLEGE ALGEBRA (MATH 120)****COURSE #: 0358****GRADES: 11-12****CREDITS: 1 Unit****Prerequisites:** Algebra II and/or Pre-Calculus, 3.0 GPA,**TYPE OF CREDIT: Math**

And a qualifying score on the PLAN, ACT, or COMPASS assessment

**Dual/Articulated Credit:** 3 hours for qualified students second semester

**Course Description:** This course is a sophisticated study of relations, functions, and their graphs, ratios, proportion, variation, quadratic and quadratic form equations, theory of higher degree equations, systems of equations, inequalities, and determinants. The first semester of this course provides a strong foundation for taking the College Algebra (Math 120) during the second semester. Students may earn three hours of college credit through the Metropolitan Community Colleges system if they meet MCC requirements during the second semester. One honor point may be earned for successful completion of the course for college credit at the end of the year. The MCC fee is required for college credit and must be paid within the first week of the semester.

**COLLEGE ALGEBRA (MATH 120) Semester Long\*****COURSE #: 0360****GRADES: 11-12****CREDITS: ½ Unit****Prerequisites:** Algebra II and/or PreCalculus, 3.0 GPA, and  
qualifying score on the PLAN, ACT or COMPASS assessment**TYPE OF CREDIT: Math****Dual/Articulated Credit:** 3 hours available for qualified students - MCC

**Course Description:** This course is a sophisticated study of relations, functions, and their graphs, ratios, proportion, variation, linear equations, problem solving, quadratic and quadratic form equations, theory of higher degree equations, systems of equations, inequalities, determinants. Students may earn three hours of college credit through the Metropolitan Community Colleges system if they meet MCC requirements. One honor point may be earned for successful completion of the course for college credit at the end of the semester. The MCC fee is required for college credit and must be paid within the first week of the semester.

**COLLEGE TRIGONOMETRY (MATH 130)\*****COURSE: 0362****GRADES: 11-12****CREDITS: ½ Unit****Prerequisites:** College Algebra (Math 120), Pre-AP Calculus,  
3.0 GPA and a qualifying score on the PLAN, ACT, or COMPASS assessment**TYPE OF CREDIT: Math****Dual/Articulated Credit:** 3 hours available for qualified students - MCC

**Course Description:** This course will be taught second semester only. This course is an advanced study of angle based trigonometric functions and their inverses, multiple angle formulas, identities,

conditional equations, radian measure, arc length, angular velocity, function graphing, logarithms, and tables, and it will include solution of triangles. Students may earn three hours of college credit through the Metropolitan Community Colleges system if they meet MCC requirements. An additional weighted/honor point may be earned for successful completion of this course. The MCC fee is required for college credit and must be paid within the first week of the semester.

Students enrolling in dual credit and/or AP classes need to check with the college/university they are planning on attending regarding transferability and acceptable grades.

**MUSIC****(All courses listed fulfill Fine Arts requirements.)****FRESHMAN BAND (BSHS)****GRADES: 9****Prerequisite:** 2 years of band or audition

**Course Description:** This band is open to all freshmen that have successfully completed band in the middle school. Members of the freshman band will be involved in several required performances throughout the year. Participation in the marching band and pep band is required unless an exemption is granted by the director. Students should plan to attend the three-week summer music enrichment class. Participation in solo/ensemble contests and private instruction is highly encouraged. Grades will be based on tests, daily participation and performances. Students may also earn a varsity letter based on outside-of-school activities.

**COURSE #: 0810****CREDITS: 1 Unit****TYPE OF CREDIT: Fine Art****FRESHMAN BAND (BSSHS)****GRADES: 9****Prerequisite:** 2 years of band or audition**See course information above.****COURSE #: 0811****CREDITS: 1 Unit****TYPE OF CREDIT: Fine Art****CONCERT BAND (BSHS)****GRADES: 10-12****Prerequisite:** 2 years of band or audition

**Course Description:** This band is co-curricular (in school and outside of school activities) and is open to students with a minimum of two years prior band class experience. All students must audition for specific band placement. Band members are required to participate in marching band and pep band activities beyond the normal school day. Students should plan to attend the three-week summer music enrichment class. Students may become members of extracurricular bands and ensembles such as Jazz Band, Pit Orchestra, Full Orchestra, All District, All State, Solo and Ensemble Contests or other special groups after auditions and/or the director's recommendation. Students may not audition for any group without the recommendation of the band director. Students are required to be at all performances and rehearsals (including but not limited to the following: home football games, contests, parades, concerts, special events and before/after school rehearsals). Grades will be based on playing and written exams, daily participation, after/before school rehearsals and all performances.

**COURSE #: 0812****CREDITS: 1 Unit****TYPE OF CREDIT: Fine Art****CONCERT BAND (BSSHS)****GRADES: 10-12****Prerequisite:** 2 years of band or audition**See course information above.****COURSE #: 0813****CREDITS: 1 Unit****TYPE OF CREDIT: Fine Art****SYMPHONIC BAND (BSHS)****GRADES: 10-12****Prerequisite:** Membership by audition only

**Dual Credit\*:** Seniors have the opportunity to earn 1 college credit each semester if they meet MCC guidelines and pay the MCC fee the first semester of school (MCC MUSI 103 Band for first semester (1 credit) and MCC MUSI 104 Band II for second semester (1 credit). A senior student taking the 2 dual credit classes will earn 1 honor point at the end of the 2<sup>nd</sup> semester. If you are a senior wanting to take concert band for dual credit, please use course # 0840\*.

**Course Description:** This band is co-curricular (in school and outside of school activities) and is open to students with a minimum of two years prior band class experience. All students must audition for specific band placement. Band members are required to participate in marching band and pep band activities beyond the normal school day. Students should plan to attend the three-week summer music enrichment class. Students may become members of extracurricular bands and ensembles such as Jazz Band, Pit Orchestra, Full Orchestra, All District, All State, Solo and Ensemble Contests or other special groups after auditions and/or the director's

**COURSE #: 0831.****CREDITS: 1 Unit****TYPE OF CREDIT: Fine Art**

recommendation. Students may not audition for any group without the recommendation of the band director. Students are required to be at all performances and rehearsals (including but not limited to the following: home football games, contests, parades, concerts, special events and before/after school rehearsals). Grades will be based on playing and written exams, daily participation, after/before school rehearsals and all performances.

**SYMPHONIC BAND (BSSHS)**

**GRADES: 10-12**

**Prerequisite:** Membership by audition only

**See course information above:**

**COURSE #: 0832**

**CREDITS: 1 Unit**

**TYPE OF CREDIT: Fine Art**

**ORCHESTRA (BSHS)**

**GRADES: 9-12**

**Prerequisite:** 1 year of orchestra experience/audition

**Dual Credit\*:** Seniors have the opportunity to earn 1 college credit each semester if they meet MCC guidelines and pay the MCC fee the first semester of school (MCC MUSI 105 Orchestra for first semester (1 credit) and MCC MUSI 106 Orchestra II for second semester (1 credit). A senior student taking the 2 dual credit classes will earn 1 honor point at the end of the 2<sup>nd</sup> semester. If you are a senior wanting to take orchestra for dual credit, please use course

# 0841\*.

**Course Description:** This performance group is open to those students with the ability to play an orchestral string instrument. If the student has not played in a school orchestra for one year, an audition is required. Activities include performances on and off campus, contests, and annual concerts. Students wishing to audition for the All District/All State orchestra must be enrolled in Orchestra during the school day. Students may not audition for any group without the recommendation of the teacher of said school ensemble. All freshmen will be enrolled in the 7<sup>th</sup> hour section.

**COURSE #: 0814**

**CREDITS: 1 Unit**

**TYPE OF CREDIT: Fine Art**

**ORCHESTRA (BSSHS)**

**GRADES: 9-12**

**Prerequisite:** 1 year of orchestra experience/audition

**See previous course information.**

**COURSE #: 0815**

**CREDITS: 1 Unit**

**TYPE OF CREDIT: Fine Art**

**SYMPHONY ORCHESTRA FOR BAND MEMBERS 1st Sem. only**

**GRADES: 10-12**

**Prerequisite:** Audition only.

Must be enrolled in Band to enroll in this course.

**Course Description:** This class is offered first semester only and is open to wind, brass, and percussionists who want to join with the strings to experience performing in a Full Symphony Orchestra. You must be enrolled in band to be in the Symphony Orchestra. Placement for this group is by audition only.

**COURSE #: 0833**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Fine Art**

**CAMPUS CHOIR**

**GRADES: 9-12**

**Course Description:** This is a non-auditioned, non-performing class for students with limited choral music background. Attention will be placed on learning fundamental skills, history, theory, terms, and vocal techniques. Concert attendance is required as part of the grade for this class.

**COURSE #: 0816**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Fine Art**

**CONCERT CHOIR (BSHS)**

**GRADES: 10-12**

**Prerequisite:** Students wishing to participate

in this ensemble must audition or have the permission to enroll from teacher of said school ensemble.

**Course Description:** This is a class for serious music students interested in continuing their vocal and choral music progress. Emphasis will be on choral works of three and four parts in mixed voice choral literature. The

**COURSE #: 0818**

**CREDITS: 1 Unit**

**TYPE OF CREDIT: Fine Art**

study of techniques, terms and theory will be emphasized. A wide variety of music and styles will be studied and performed. Required rehearsals and concert participation outside of school is included in the student's grade.

**CONCERT CHOIR (BSSHS)**

**GRADES: 10-12**

**Prerequisite:** Students wishing to participate in this

ensemble must audition or have permission from the teacher of said show ensemble to enroll

**See previous course information.**

**COURSE #: 0820**

**CREDITS: 1 Unit**

**TYPE OF CREDIT: Fine Art**

**FRESHMAN CHOIR (MEN'S) (BSHS)**

**GRADES: 9**

**Prerequisite:** Students wishing to participate

in this ensemble must be recommended by their 8<sup>th</sup> grade choir instructor or have permission to enroll

from teacher of said choral ensemble

**Course Description:** This is a class for music students interested in continuing their vocal and choral music progress. Emphasis will be on choral works of three and four parts in men's choral literature and will be combined with the Concert Choir (Women's) to perform works written specifically for the combined gender groupings of three and four part harmonies. The study of techniques, terms and theory will be emphasized. A wide variety of music and styles will be studied and performed. Required rehearsals and concert participation outside of school is included in the student's grade.

**COURSE #: 0819**

**CREDITS: 1 Unit**

**TYPE OF CREDIT: Fine Art**

**FRESHMAN CHOIR (MEN'S) (BSSHS)**

**GRADES: 9**

**Prerequisite:** Students wishing to participate

in this ensemble must be recommended by their 8<sup>th</sup> grade choir instructor or have permission

to enroll from teacher of said choral ensemble

**See previous course description.**

**COURSE #: 0821**

**CREDITS: 1 Unit**

**TYPE OF CREDIT: Fine Art**

**A CAPPELLA CHOIR**

**GRADES: 11-12**

**Prerequisite:** Students must audition and have

the recommendation of the teacher of said school ensemble.

**Dual Credit:** Seniors have the opportunity to earn 1 college credit each semester if they meet MCC guidelines and pay the MCC fee the first semester of school (MCC MUSI 101 Mixed Chorus for first semester (1 credit) and MCC MUSI 102 Mixed Chorus II for second semester (1 credit). A senior student taking the 2 dual credit classes will earn 1 honor point at the end of the 2<sup>nd</sup> semester. If you are a senior wanting to take A Cappella Choir for dual credit, please use course # 0842\*.

**Course Description:** This is an auditioned choir of 60-85 members that aspire to the highest performance standards of quality choral literature. The group takes a bi-annual trip and annually performs in four other concerts and district festivals during the school year. Students wishing to audition for All District/All State choir must be enrolled in Choir during the school day. Required rehearsals and concert participation outside of school is included in the student's grade.

**COURSE #: 0822**

**CREDITS: 1 Unit**

**TYPE OF CREDIT: Fine Art**

**WOMEN'S ENSEMBLE**

**GRADES: 11-12**

**Prerequisite:** Students must have been enrolled

in A Cappella program during the previous year or have instructor's permission/Audition.

**Course Description:** This is an auditioned choir of 16-30 members that performs the highest quality choral literature written for the smaller ensemble of treble voices. The group performs at four concerts and several festivals during the school year. Students in Women's Ensemble are strongly encouraged to be co-enrolled in A Cappella or Chamber Choir. Required rehearsals and concert participation is included in the student's grade.

**COURSE #: 0823**

**CREDITS: 1 Unit**

**TYPE OF CREDIT: Fine Art**

**CHAMBER CHOIR****GRADES: 11-12****Prerequisite:** Students must have been enrolled in A Cappella Choir during the previous school year or have instructor permission/audition.**Course Description:** This is an auditioned choir of 24-30 members that performs the highest quality choral literature written for the smaller ensemble. The group performs at four concerts and several festivals during the school year. Students in Chamber Choir are strongly encouraged to be co-enrolled in A Cappella Choir.

Required rehearsals and concert participation is included in the student's grade.

**COURSE #: 0824****CREDITS: 1 Unit****TYPE OF CREDIT: Fine Art****FRESHMAN CHOIR (WOMEN'S) (BSHS)****GRADES: 9****Prerequisite:** Students wishing toparticipate in this ensemble must be recommended by their 8<sup>th</sup> grade choir instructor or have permission to enroll from teacher of said choral ensemble/audition.**Course Description:** This is a class for music students interested in continuing their vocal and choral music progress. Emphasis will be on choral works of three and four parts in women's choral literature and will be combined with the Concert Choir (Men's) to perform works written specifically for the combined gender groupings of three and four part harmonies. The study of techniques, terms and theory will be emphasized. A wide variety of music and styles will be studied and performed. Required rehearsals and concert participation outside of school is included in the student's grade.**COURSE #: 0825****CREDITS: 1 Unit****TYPE OF CREDIT: Fine Art****FRESHMAN CHOIR (WOMEN'S) (BSSHS)****GRADES: 9****Prerequisite:** Students wishing toparticipate in this ensemble must be recommended by their 8<sup>th</sup> grade choir instructor or have permission to enroll from teacher of said choral ensemble/audition.**See previous course information.****COURSE #: 0826****CREDITS: 1 Unit****TYPE OF CREDIT: Fine Art****MUSIC APPRECIATION****GRADES: 10-12****Course Description:** This class will include fundamentals of reading music, a study of basic forms and styles of music, a study of music history and composers, and an exploration of 20<sup>th</sup> Century trends in composition.**COURSE #: 0828****CREDITS: ½ Unit****TYPE OF CREDIT: Fine Art****MUSIC THEORY/TECHNOLOGY****GRADES: 11-12****Course Description:** Music Theory will introduce the student to the theoretical foundations of traditional music. Emphasis will be placed on both written music theory and aural music theory. Topics will include structure, form, composition, interval recognition (aural and written), keys and scales. Prospective students should possess some knowledge of music fundamentals.**COURSE #: 0830****CREDITS: ½ Unit****TYPE OF CREDIT: Fine Art****AP MUSIC THEORY\*****GRADES: 11-12****Prerequisite:** Two years of high school

vocal/instrumental ensemble participation and must be concurrently enrolled in a performance ensemble or instructor approval

**Course Description:** This is a rigorous course intended for the college-bound student who intends to pursue a career or advanced degree in music. The course will focus heavily on aural training skills, including rhythmic, harmonic and melodic dictation and sight singing. One honor point may be granted for each semester successfully completed. All students are expected to take the AP exam and pay the examination fee.**COURSE #: 0834****CREDITS: 1 Unit****TYPE OF CREDIT: Fine Art, Elective**

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**PHYSICAL EDUCATION AND HEALTH**


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**PE Enrollment Information:**

All students are required to take health (1/2 credit) and 1 full credit of PE (dress out class).

1. Ninth grade students should enroll in PE and Health
2. Tenth grade students are encouraged to select a second required dress-out course.
3. Only two physical education courses may be repeated for credit (Physical Fitness and Aerobics Plus)

Additional PE courses may be taken for elective credit.

**PHYSICAL EDUCATION I (Boys)****GRADES: 9****COURSE #: 1210****CREDITS: ½ Unit****TYPE OF CREDIT: Physical Education**

**Course Description:** In this dress-out course, students will learn basic skills and will participate in several of the following activities: basketball, football, volleyball, soccer, softball, team handball, floor hockey, physical fitness, and racquet sports.

**PHYSICAL EDUCATION I (Girls)****GRADES: 9****COURSE #: 1212****CREDITS: ½ Unit****TYPE OF CREDIT: Physical Education**

**Course Description:** In this dress-out course, students will learn basic skills and will participate in several of the following activities: basketball, flag football, volleyball, softball, soccer, floor hockey, physical fitness and racquet sports.

**PHYSICAL EDUCATION II (Boys)****GRADES: 10-12****COURSE #: 1214****CREDITS: ½ Unit****TYPE OF CREDIT: Physical Education**

**Course Description:** This dress-out course is designed to allow students to learn and participate in several of the following activities: volleyball, basketball, softball, speedball, flag football, racquet sports, floor hockey, soccer, and team handball.

**PHYSICAL EDUCATION II (Girls)****GRADES: 10-12****COURSE #: 1216****CREDITS: ½ Unit****TYPE OF CREDIT: Physical Education**

**Course Description:** This dress-out course is designed to allow students to learn and participate in several of the following activities: volleyball, basketball, softball, speedball, racquet sports, floor hockey, soccer, and team handball.

**HEALTH****GRADES: 9****COURSE #: 1218****CREDITS: ½ Unit****TYPE OF CREDIT: Health**

**Course Description:** This class is taught in three sections over the course of a semester: personal health/care of the human body, reproduction, diseases and disorders of the body, and understanding the effects of medicines and drugs on the body. Within these sections, topics of study will be the general care of the human body including the physical, mental, and social aspects of our well-being, along with the prevention and understanding of infectious, heredity and lifestyle diseases including sexually transmitted diseases (STD's), tobacco, alcohol, medicines and illegal drugs.

**PHYSICAL FITNESS (Semester)**  
**GRADES: 10-12**

**COURSE #: 1220**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Physical Education**

**Course Description:** This dress-out class is intended to help develop and maintain strength and endurance. Individuals who plan to participate in athletics should sign up for this class during a semester when they are not involved in an interscholastic sport. Activities will include weight training, running, physical fitness testing and games of endurance. Many activities in this course require strenuous physical abilities and skills.

**PHYSICAL FITNESS (Year)**  
**GRADES: 10-12**

**COURSE #: 1222**  
**CREDITS: 1 Unit**

**TYPE OF CREDIT: Physical Education**

See course information above.

**BEGINNING SWIMMING**  
**GRADES: 10-12**

**COURSE #: 1230**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Physical Education**

**Course Description:** This dress-out course will concentrate on basic skills for swimming the crawl and back crawl strokes. There will be basic safety skills, as well as beginning survival skills. Also included will be free time and some basic water games. Student need not be able to swim to enroll in this class.

**INTERMEDIATE SWIMMING**  
**GRADES: 10-12**

**COURSE #: 1232**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Physical Education**

**Prerequisite:** Student must have the ability to swim 50 yards freestyle and/or backstroke.

**Course Description:** This dress-out course continues building swimming skills. It will focus on several strokes as well as more advanced safety and survival skills. There will be free time and games for the intermediate swimmer.

**ADVANCED SWIMMING**  
**GRADES: 11-12**

**COURSE #: 1234**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Physical Education**

**Prerequisite:** Student must have the ability to swim 500 yards and do 4 of the 6 swimming strokes.

**Course Description:** This class will follow the Red Cross outline of skills for the advanced swimming class. It will also introduce swimming for conditioning. This class will focus on performing all the Red Cross strokes, as well as using them for aerobic conditioning. Some work will also be done on diving.

**RED CROSS LIFE GUARDING (BSHS only) (1<sup>st</sup> Sem. only)**  
**GRADES: 11-12**

**COURSE #: 1237**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Physical Education**

**Prerequisite:** Advanced Swimming or test out the first day of class

**Recommendation:** The student must be a competent swimmer with the ability to swim 500 yards continuously.

**Course Description:** This course will prepare the student for life guarding as a summer or part-time job. The student will learn to rescue drowning victims in any situation. Student will learn to deal with safety issues – to head and neck trauma. The students will also learn preventative life guarding skills that prevent accidents. The course costs between \$125 and \$200.

**WATER SAFETY INSTRUCTOR (BSHS only)(2<sup>nd</sup> Sem. Only)**  
**GRADES: 11-12**

**COURSE #: 1238**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Physical Education**

**Prerequisite:** Ability to swim 500 yards and pass Red Cross Life Guarding

**Course Description:** This course will qualify you to teach swimming lessons for the Red Cross. Over 90% of all swimming pools nationally use this program. Upon conclusion you will have all the materials and skills to plan and teach swimming lessons all the way from infants to advanced levels.

**WATER AEROBICS**

**GRADES: 10-12**

**COURSE#: 1236**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Physical Education**

**Course Description:** Water Aerobics counts as ½ of required P.E. credit. This course will focus on using water resistance activities to improve the student's over all fitness including flexibility, body composition, cardiovascular endurance, toning, and muscular strength.

**RECREATIONAL SPORTS (Coed)**

**GRADES: 11-12**

**COURSE #: 1242**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Elective**

**Course Description:** Units that will be covered in this elective course are golf, volleyball, badminton, table tennis, softball, or tennis. Included in this course will be instruction in the basic skills necessary to participate in and keep score for these activities.

**AEROBICS AND WEIGHTLIFTING (Coed)**

**GRADES: 10-12**

**COURSE #: 1244**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Physical Education**

**Course Description:** This dress-out class will entail two days of aerobic exercising and two days of weightlifting. Students will participate in a variety of aerobic activities. Weightlifting will entail techniques of lifting and ways to tone the body. One day of lecture a week will include concepts of the cardio-vascular system, fitness terminology, knowledge of muscle groups and nutrition for teenagers.

**AEROBICS PLUS (Coed)**

**GRADES: 10-12**

**COURSE #: 1248**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Physical Education**

**Course Description:** This dress-out class will consist of 2 to 3 sessions of aerobics per week to enhance cardiovascular fitness. There will be 1 to 2 sessions per week of strengthening and toning class using various apparatus such as exercise bands. These sessions will exercise and develop specific muscle groups.

**SOCIAL DANCE**

**GRADES: 11-12**

**COURSE #: 1250**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Elective**

**Course Description:** Coed enrollment is necessary. This is a school dress participation class consisting of dancing routines to the waltz, samba, tango, jitter-bug, country, and other social dances.

**OUTDOOR EDUCATION**

**GRADES: 11-12**

**COURSE #: 1252**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Elective**

**Course Description:** Outdoor Education is a one-semester course for physical education elective credit that includes lifelong skills in several outdoor recreational activities. The course of study will include fishing, orienteering, camping and safety, outdoor cooking, laws for operating boats, hiking and camping, backpacking, and hunter education. This interdisciplinary course will connect outdoor education with science and geography by the identification of fish and plants and by learning mapping skills through orienteering.

**FITNESS AND WELLNESS**

**GRADES: 11-12**

**COURSE #: 1224**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Physical Education**

**Course Description:** In this dress out class, students will participate in various low-impact resistance exercises designed to tone, stretch, strengthen, and sculpt the muscles to improve overall body composition and fitness.

Emphasis will be placed on exercises that work specific muscle groups. Weekly lectures will include current information on practicing and maintaining good nutrition, emotional wellness, and healthy lifestyles.

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**ADVANCED TEAM SPORTS**

**GRADES: 11-12**

**COURSE #: 1258**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Physical Education**

**Course Description:** In this dress-out course, students will learn basic skills, rules, teamwork and strategies in the following team sports: flag football, volleyball, basketball, softball, and related team sports.

**AEROSPACE SCIENCE GENERAL INFORMATION**

(Air Force Junior ROTC)

**Program Description:** The four year Aerospace Science curriculum is designed to help today's high school ROTC student become tomorrow's aerospace-age citizen. The curriculum integrates social sciences and physical sciences through their application to aerospace. The following comments and requirements are listed with each course. **Students are provided a uniform free of charge and are required to wear the uniform one day each week and meet Air Force grooming standards.** A uniform cleaning fee may be assessed if the uniform is not turned in clean and pressed at the end of the year. Books and materials are provided by the Air Force. Instructors will be retired Air Force personnel who are certified in ROTC instruction. Guest speakers and field trips will be included as part of the curriculum. Students do not have any future military commitment, but ROTC scholarship opportunities are available to top-performing students, enrolling in the program for two or more years. Nominations for appointment to the US Air Force Academy are also available for superior students. Advanced enlistment grade credit is available to students completing two or more years of the program.

**A JOURNEY INTO AEROSPACE HISTORY (Aerospace Science 100))**  
**(BSHS)**  
**GRADES: 9-12**

**COURSE #: 1550**
**CREDITS: 1 Unit**
**TYPE OF CREDIT: Elective**

**Course Description:** This introductory aviation history course focuses on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to the present day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overview of the principles of flight to include basic aeronautics, aircraft motion and control. Leadership training introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC), including the Air Force organizational structure, uniform wear, customs, courtesies, and other military traditions, health and wellness, fitness, individual self-control, and citizenship.

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**A JOURNEY INTO AEROSPACE HISTORY (Aerospace Science 100)**  
**(BSSH)**  
**GRADE: 9-12**

**COURSE #: 1551**
**CREDITS: 1 Unit**
**TYPE OF CREDIT: Elective**

 See course information above.
   
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**THE SCIENCE OF FLIGHT (Aerospace Science 210))**  
**GRADES: 10-12**

**COURSE #: 1552**
**CREDITS: 1 Unit**

**Prerequisite:** Aerospace 100  
 (or sophomore status)

**TYPE OF CREDIT: Elective/3<sup>rd</sup> Science**

and approval of the Senior Aerospace Science instructor

**Course Description:** Students will gain an in-depth understanding of meteorology and its effects on the aerospace environment. The aerospace environment will be studied with an emphasis on its effects on humans and the requirements for human flight. The basic aerodynamic principles of flight will be explained as well as their effect on powered flight within the earth's atmosphere. Students will learn the principles of air navigation and the various systems used to navigate aircraft worldwide. Building on the leadership and management techniques taught in Aerospace I00, the student will learn and practice effective communication skills, understanding both individual and group behavior, and basic leadership concepts. This course is a prerequisite for AS 500 Aviation Ground School (**This may be counted for the 3<sup>rd</sup> year Science requirement**).

**DRILL AND CEREMONIES (AEROSPACE 150)****GRADES: 10-12****Prerequisite:** Aerospace Science 100 or Instructor's approval and concurrent enrollment in another Aerospace class

**Course Description:** The Drill and Ceremonies course provides fundamental and in-depth instruction in Air Force drill and ceremonies. The fundamentals of Drill and Ceremonies, to include cadet ability to perform the AFJROTC 30-step drill sequence at the appropriate level commensurate with their enrollment experience. The Drill and Ceremonies course concentrates on the elements of military drill, and describes individual and group precision movements, procedures for saluting, drill ceremonies, reviews, parades, and development of command voice. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to learn Air Force drill concepts and procedures.

**COURSE #: 1560****CREDITS: 1 Unit****TYPE OF CREDIT: Elective****THE EXPLORATION OF SPACE (AEROSPACE 300)****GRADES: 11-12****Prerequisite:** Aerospace 210 approval of the Senior Aerospace Science instructor

**Course Description:** Students will learn about the space environment to include a basic understanding of astronomy as it relates to the Earth, Moon, the solar system, terrestrial and outer planets and their effect on unmanned and manned space flight. Students will learn about both manned and unmanned space programs, with an emphasis on the U.S. manned space program. The applications and use of space technology will be taught along with their spin-off technology in the world today. Students are given information on how to select a college or vocational school. They are also provided information to begin the job search, to include resume writing and interviewing techniques. Additionally, students are introduced to the world of financial planning, how to spend money, save, invest and use credit wisely. Contracts, leases, wills, warranties, legal notices and personal bills are also reviewed.

**Note:** This will count as Personal Finance credit.**COURSE #: 1554****CREDITS: 1 Unit****TYPE OF CREDIT: Elective/Personal Finance****FAA PRIVATE PILOT GROUND SCHOOL\*  
(AEROSPACE SCIENCE 500) (AVIA 1310)****GRADES: 12****Prerequisite:** Aerospace 210 & 300 or 300 & 500 concurrently. Approval of the Senior Aerospace Instructor/UCM Guidelines.

**Course Description:** This course satisfies the Federal Aviation Regulation (FAR) 61.105 for ground training required to take the aeronautical knowledge test. Course content includes use of applicable FARs, Aeronautical Information Manual, FAA advisory circulars. Students will learn the principles of aerodynamics, power plants, aircraft systems, radio communications, navigation, weather reports and weight and balance computations. Leadership skills acquired in previous courses will be used to manage cadet corps activities. To receive college credit, students must meet the guidelines established by UCM.

**COURSE #: 1556****CREDITS: 1 Unit****TYPE OF CREDIT: Elective****MANAGEMENT OF THE CADET CORPS (AEROSPACE SCIENCE 400)****GRADES: 12****Prerequisite:** Aerospace Science 210, 300, and the approval of the Senior Aerospace Science Instructor.

**Course Description:** This course applies the theories and techniques learned in previous aerospace science classes to the actual management of the cadet corps. This hands-on experience affords the cadets the opportunity to control the planning, organizing, coordinating, directing, and decision making of all cadet functions. Students will practice their communication, decision making, personal interaction, managerial, and organizational skills. To prepare the student for life after high school graduation, students will study the importance of higher/continuing education, how to conduct a job search, how to enter the military as an officer, and the types of careers available in the aerospace industry or government.

**COURSE #: 1558****CREDITS: 1 Unit****TYPE OF CREDIT: Elective**

**PHYSICAL SCIENCE****GRADES: 9****COURSE #: 0408****CREDITS: 1 Unit****TYPE OF CREDIT: Science**

**Course Description:** This course emphasizes the fundamental concepts of both chemistry and physics. Areas of study and activities will include laboratory skills and problem solving, scientific measurement, basic atomic theory, periodic table relationships, chemical reactions, forces, motion and waves. A general knowledge of mathematics is required throughout the course.

**ACCELERATED PHYSICAL & BIOLOGICAL SCIENCE****GRADES: 9****COURSE #: 0412****CREDITS: ½ Unit Physical Science, ½ Unit Biological Science****TYPE OF CREDIT: Science**

**Recommendation:** Grade of “A” Algebra and 8<sup>th</sup> Grade Science.

**Course Description:** This is an accelerated course covering topics typically taught in Physical Science and Biology I classes. A strong background in algebra is needed for this lab-driven class. Significant out-of-class preparation is required. Students need to take one additional year-long class in physical science (Chemistry, Physics) **and** one additional year-long class in a biological science (i.e. Pre-AP Biology) to meet graduation requirements. Students completing this class should plan on enrolling in Pre-AP Biology and Pre-AP Chemistry or Chemistry as a sophomore.

**BIOLOGY I****GRADES: 10****COURSE #: 0416****CREDITS: 1 Unit****TYPE OF CREDIT: Science**

**Course Description:** The principles of Biology I provide the foundation for students to make good decisions related to health, occupation, and future education. Topics covered will range from cell study to complex interactions with a focus on genetics, biodiversity, ecology, biochemistry, energy interactions, and small mammal dissection. Assessments will be in the form of lab reports, interpretation and development of graphs, oral presentations, written tests, problem-solving, and written responses.

**PRE-AP BIOLOGY****GRADES: 10-11****COURSE #: 0425****CREDITS: 1 Unit****TYPE OF CREDIT: Science**

**Prerequisite:** Algebra I, Physical Science  
or Accelerated Physical & Biological Science

**Recommendation:** Minimum grade of “B” or better in prerequisite courses, and concurrent enrollment in Chemistry or Pre-AP Chemistry.

**Course Description:** This course is for students who plan to take an AP Biology course. This rapidly paced class will provide exposure to all topics covered in Biology I, with increased depth and breadth of coverage, including participation in some parts of the AP required labs. Topics will include introductory organic chemistry, cell biology, energetics, genetics, ecology, and some anatomy through dissection of a small mammal. One honor point may be earned for successfully completing this full year course at the end of the year.

**AP BIOLOGY\*****GRADES: 11-12****COURSE #: 0426****CREDITS: 1 Unit****TYPE OF CREDIT: Science**

**Prerequisite:** Biology I or Pre AP Biology

**Recommendation:** Minimum grade of “B” in prerequisite courses, Algebra II, Chemistry,  
or Pre-AP Chemistry and Pre-AP Biology.

**Course Description:** This course is designed for students intending to pursue a career in the area of Biological Sciences. The student can receive college credit by achieving an acceptable score on the AP exam administered in May. This course will be divided into three broad areas of study: the molecular and cellular, the organism, and the population. This class will be laboratory-oriented and students will be expected to devote some time outside

the normal class period to work on their laboratory exercises. An additional honor point may be earned for each semester passed of this course. All students are expected to take the AP exam and pay the examination fee.

### **ANATOMY AND PHYSIOLOGY**

**GRADES: 11-12**

**Prerequisite:** Biology I or Pre-AP Biology

**Recommendation:** Minimum grade of “B” in prerequisite courses

**Course Description:** Students interested in health related careers should consider taking Anatomy and Physiology, which focuses on the structure and function of the human body. The course will include the study of human tissues and progress to the study of organ systems. Students will have the opportunity for many hands-on experiences including laboratory experimentation, microscopy, and observations. The course will include dissection of a small mammal.

**COURSE #: 0455**

**CREDITS: 1 Unit**

**TYPE OF CREDIT: Science**

### **MICROBIOLOGY**

**GRADES: 11-12**

**Prerequisite:** Biology I or Pre-AP Biology

**Course Description:** The Microbiology course is designed as a laboratory based course to challenge students with activities, experiments, critical-thinking, and problem solving. The focus of the course will primarily be on bacterial organisms and viruses with applications for medical microbiology and food handling procedures. Assessments will be in the form of lab reports, accurate application of laboratory techniques, oral presentations, written tests, problem solving, current literature reviews, and written responses.

**COURSE #: 0454**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Science**

### **CHEMISTRY I**

**GRADES: 10-12**

**Prerequisite:** Geometry or concurrently enrolled in Geometry

**Recommendation:** Minimum grade of “B” in prerequisite course

**Course Description:** This course deals with the substances making up our environment and the changes these substances undergo. The principles of Chemistry are studied in a logical way with laboratory work helping to reveal these principles. The content of the course includes the following: atomic structure, solids, liquids, gases, the periodic table, chemical reactions, molecular structure, equilibrium, and acids and bases.

**COURSE #: 0434**

**CREDITS: 1 Unit**

**TYPE OF CREDIT: Science**

### **CHEMISTRY II**

**GRADES: 11-12**

**Prerequisite:** Chemistry I or Pre-AP Chemistry

**Recommendation:** Minimum grade of “A” in prerequisite course and “B” or better in Algebra II

**Course Description:** This course is for students who want to take a second year of high school Chemistry but who are not interested in the rigorous and fast paced curriculum of the Chemistry AP class. This class is for students who enjoyed Chemistry I and may need a solid Chemistry background for their college major or for their career. Topics to be explored include: stoichiometry, chemical reactions, gas laws, thermo chemistry, atomic structure, equilibrium, kinetics, electrochemistry and organic chemistry.

**COURSE #: 0435**

**CREDITS: 1 Unit**

**TYPE OF CREDIT: Science**

### **PRE-AP CHEMISTRY**

**GRADES: 10-12**

**Prerequisite:** Geometry

**Recommendation:** Minimum of “B” in prerequisite course

**Course Description:** This course is for students who plan to take chemistry AP for their second year of high school chemistry. This rapidly paced class will provide exposure to all topics covered in Chemistry AP. Examples of topics covered include chemical nomenclature, chemical reactions, stoichiometry, gasses, solutions, bonding, thermo chemistry, equilibrium, kinetics and electrochemistry. One honor point may be earned for the successful completion of this full-year course at the end of the year.

**COURSE #: 0436**

**CREDITS: 1 Unit**

**TYPE OF CREDIT: Science**

**AP CHEMISTRY\*****GRADES: 11-12****Prerequisite:** Chemistry or Pre-AP Chemistry**Recommendation:** Minimum grade of “A” in prerequisite course and “B” or better in Algebra II

**Course Description:** This is a college level course in general chemistry for students who desire a second year of chemistry. Examples of topical areas discussed and experimented with are chemical reactions, redox equations, stoichiometry, thermo chemistry, equilibriums, kinetics and electrochemistry. This course is designed to prepare a student for the AP exam in chemistry in May. An additional honor point may be earned for each semester passed of this course. All students are expected to take the AP exam and pay the examination fee.

**COURSE #: 0438****CREDITS: 1 Unit****TYPE OF CREDIT: Science****GEOLOGY****GRADES: 10-12****Prerequisite:** Geometry

or concurrent enrollment in Geometry

**Recommendation:** Minimum grade of “B” in prerequisite course

**Course Description:** This course is designed to explore the different components that make up planet Earth. The course will concentrate on Earth’s matter, rocks, plate tectonics, and the continuous changes that occur.

**COURSE #: 0440****CREDITS: ½ Unit****TYPE OF CREDIT: Science****ASTRONOMY AND METEOROLOGY****GRADES: 10-12****Prerequisite:** Physical Science or Accelerated Phy/Bio

Science and Biology or concurrent enrollment in Biology

**Course Description:** This course is designed to explore atmospheric conditions on Earth and explore the solar system, stars, and galaxies. The main topics covered are weather, climate, the moon, the solar system, stars, and galaxies.

**COURSE #: 0439****CREDITS: ½ Unit****TYPE OF CREDIT: Science****ENVIRONMENTAL SCIENCE****GRADES: 11-12****Prerequisite:** Biology I

**Course Description:** This course is designed to emphasize topics including the structure of ecosystems, including food webs, biomes, nature of science, and environmental problems facing the world.

**COURSE #: 0444****CREDITS: ½ Unit****TYPE OF CREDIT: Science****ADVANCED ENVIRONMENTAL SCIENCE****GRADES: 11-12****Prerequisite:** Environmental Science I

**Course Description:** This course is designed for students who wish to further study Environmental Science.

This course will emphasize topics including ecosystems, consequences of human population, pollution, natural resources, species biodiversity, nuclear power, and environmental issues facing the world.

**COURSE #: 0446****CREDITS: ½ Unit****TYPE OF CREDIT: Science****APPLIED BIO-CHEM TECHNOLOGY****GRADES: 11-12****Prerequisites:** Physical Science and Biology I

**Course Description:** The ABC curriculum immerses students in the “real world”, allowing them to learn, through hands-on activities, the knowledge, skills, and responsibilities needed in a wide variety of science related jobs. Students are learning science by experiencing it rather than simply reading, and by stressing skills that prepare students for the “real world”, whether they are moving on to college or the job market.

**COURSE #: 0456****CREDITS: 1 Unit****TYPE OF CREDIT: Science**

**AP ENVIRONMENTAL SCIENCE\*****COURSE #: 0447****GRADES: 11-12****CREDITS: 1 Unit****Prerequisites:** “Biology I or Pre-AP Biology**TYPE OF CREDIT: Science****Recommendation:** Minimum grade of “B” in prerequisite course, & a “B” in Algebra I

**Course Description:** This is a college-level course in Environmental Science. Topics covered will include the flow of materials and energy in the biosphere, renewability of resources, environmental quality and the impact of human beings on the environment. This course is designed to prepare the student to take the AP Environmental Science Exam in May. An additional honor point may be earned for each semester passed of this course. All students are expected to take the AP exam and pay the examination fee.

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**PHYSICS****COURSE #: 0450****GRADES: 10-12****CREDITS: 1 Unit****Prerequisites:** Algebra and Geometry**TYPE OF CREDIT: Science****Recommendation:** Minimum grade of “B” in prerequisite course

**Course Description:** This course presents the topics of physics and how they will explain the nature of the world that we live in. The main areas of study include motion, energy, electricity and magnetism, sound, light, and optics.

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**AP PHYSICS\*****COURSE #: 0452****GRADES: 11-12****CREDITS: 1 Unit****Recommendation:** Minimum grade of “B” in Algebra II  
and/or Physics**TYPE OF CREDIT: Science**

**Course Description:** This course is equivalent of a first level course in college Physics. Topics covered will be in the areas of mechanics, heat and thermodynamics, wave and particle light theory, and atomic and nuclear physics. This course is designed to prepare a student for the AP exam in physics in May. An additional honor point may be earned for each semester passed of this course. All students are expected to take the AP exam and pay the examination fee.

**GEOGRAPHY**  
**GRADES: 9**

**COURSE#: 0285**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Social Studies**

**Course Description:** This course is designed to examine the different regions of the world. Study will include physical features of the earth, significant historical events, cultural diversity and current events as applicable. Students will develop skills in research, writing and critical thinking. Primary and secondary documents will be used to research and report findings.

**AMERICAN GOVERNMENT**  
**GRADES: 9**

**COURSE #: 0280**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Social Studies**

**Course Description:** This course is designed to study our government with a focus on the U.S. constitution, the different branches, the electoral process, flag etiquette, as well as state and local government. Students will take the U.S. Constitution test and the Missouri Constitution test. Passage of both tests is required to earn credit, meet graduation requirements, and to fulfill state law.

**AMERICAN GOVERNMENT & POLITICAL ANALYSIS**  
**GRADES: 9**

**COURSE #: 0289**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Social Studies**

**Recommendation:** A grade of “A” in 8<sup>th</sup> grade English & Social Studies

**Course Description:** This course focuses on the U.S. Constitution, the three branches, the electoral process, flag etiquette, and relationships between branches of state and local government. Students will identify and explain how basic principles and ideas of our government have changed over time and have been interpreted differently by different branches. Students will learn the necessary skills to present reasons and evidence clearly and persuasively and interpret quotes, graphs, and political cartoons in essay format. Students will take the U.S. Constitution test and the Missouri Constitution test. Passage of both tests is required to earn credit, meet graduation requirements, and to fulfill state law. This course will help prepare students for AP Government.

**WORLD HISTORY**  
**GRADES: 10**

**COURSE #: 0236**  
**CREDITS: 1 Unit**

**TYPE OF CREDIT: Social Studies**

**Course Description:** This is a survey of world history from ancient Greece and Rome to modern day conflicts. The focus will be post-1450 and events in world history. Major trends, cultural diversity, institutions, and ideas will be integrated throughout the course of study. Students will continue using primary and secondary historical documents to help interpret the past and better understand contemporary issues. Students will continue to develop their social studies skills of research, writing, and critical thinking.

**AP EUROPEAN HISTORY\***  
**GRADES: 10-12**

**COURSE #: 0238**  
**CREDITS: 1 Unit**

**TYPE OF CREDIT: Social Studies.**

**Recommendation:** Recommendation from the most recent history teacher

**Course Description:** This course is designed to examine trends, cultural diversity, institutions and ideas in European history from a study of the Renaissance through the Cold War and modern-day conflicts. Students will have a required summer reading assignment, be expected to read 30-50 pages of material per week, and should plan to spend a minimum of 2 hours per week outside of class on this course. All course materials are written using a college-level vocabulary. Students will develop the skills necessary to arrive at conclusions on the basis of informed judgment and to present reasons and evidence clearly and persuasively in essay format. Students will prepare for and take the Advanced Placement Exam in May. An additional honor point will be awarded for each

semester passed in this course. This course fulfills the 10<sup>th</sup> grade World History requirement. All students are expected to take the AP exam and pay the examination fee.

**UNITED STATES HISTORY**  
**GRADES: 11**

**COURSE #: 0205**  
**CREDITS: 1 Unit**

**TYPE OF CREDIT: Social Studies**

**Course Description:** This is a survey of United States history from Manifest Destiny to contemporary events with an emphasis on post-Reconstruction events. Its goals are to instill an appreciation of the U.S. democracy, an understanding of the U.S. constitutional, political, economic, and social developments, and an increased knowledge of U.S. geography. Students will further develop skills in critical thinking, research, and writing skills. Primary and secondary documents will be used to research and report findings.

**AP AMERICAN GOVERNMENT\***  
**GRADES: 10-12**

**COURSE #: 0281**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Social Studies**

**Recommendation:** Recommendation from the most recent history teacher

**Course Description:** Study will concentrate on the branches of the government. Emphasis in each unit will be placed on the constitutional elements of each branch, a comparison of the national and state institutions, and the law and its specific relationship to the student's daily life. Students will have a required summer reading assignment, be expected to read 30-50 pages of material per week, and should plan to spend a minimum of 2 hours per week outside of class on this course. All course materials are written using a college-level vocabulary. Students will learn the necessary skills to present reasons and evidence clearly and persuasively in essay format. Students will prepare for and be take the Advanced Placement Exam in May. An additional weighted/honor point may be earned for this course. All students are expected to take the AP exam and pay the examination fee.

**AP UNITED STATES HISTORY\***  
**GRADES: 11-12**

**COURSE #: 0266**  
**CREDITS: 1 Unit**

**TYPE OF CREDIT: Social Studies**

**Recommendation:** Recommendation from the most recent history teacher

**Course Description:** This is a survey of United States history from exploration to contemporary events. Its goals are to instill an appreciation of U.S. democracy, an understanding of the U.S. constitutional, political, economic, and social developments, and an increased knowledge of U.S. constitutional, political, economic, and social developments. Students will have a required summer reading assignment, be expected to read 30-50 pages of material per week, and should plan to spend a minimum of 2 hours per week outside of class on this course. All course materials are written using a college-level vocabulary. Students will learn the skills necessary to arrive at conclusions on the basis of informed judgment and to present reasons and evidence clearly and persuasively in essay format. Students will prepare for and take the Advanced Placement Exam in May. An additional weighted/honor point may be earned for each semester passed of this course. Students who successfully complete this course can fulfill the 11<sup>th</sup> grade U.S. History graduation requirement. Students enrolling in U.S. History AP are not eligible to enroll in American History 101/102 (College Credit) for additional high school credit. All students are expected to take the AP exam and pay the examination fee.

**AMERICAN HISTORY 101\***  
**GRADES: 11-12**

**COURSE #: 0286**  
**CREDITS: ½ Unit**

**TYPE OF CREDIT: Social Studies**

**Prerequisites:** UMKC requirements, 3.0 G.P.A. and appropriate score on ACT or PLAN

**Dual/Articulated Credit:** 3 semester hours for students meeting UMKC requirements

**Course Description:** This is a chronological review of American history (Exploration through Reconstruction). All course materials are written using a college-level vocabulary. An additional weighted/honor point may be earned if this course is successfully completed. The UMKC fee is required to earn the dual credit. Students will be billed directly by UMKC. Students who withdraw after the first five days will still be billed by UMKC and will have to pay some portion of tuition fees to UMKC. Students who successfully complete both American

History 101 and American History 102 (2 semesters) can fulfill the U.S. History graduation requirements. Students enrolling in American History 101/102 (College Credit) are not eligible to enroll in U.S. History AP for additional high school credit.

**AMERICAN HISTORY 102\***

**GRADES: 11-12**

**Prerequisites:** UMKC requirements, 3.0 G.P.A. and appropriate score on ACT or PLAN

**Dual/Articulated Credit:** 3 semester hours for students meeting UMKC requirements

**Course Description:** This is a chronological review of American history (Gilded Age through the 1970's). All course materials are written using a college-level vocabulary. An additional weighted/honor point may be earned if this course is successfully completed. The UMKC fee is required to earn the dual credit. Students will be billed directly by UMKC. Students who withdraw after the first five days will still be billed by UMKC and will have to pay some portion of tuition fees to UMKC. Students who successfully complete both American History 101 and American History 102 (2 semesters) can fulfill the U.S. History graduation requirements. . Students enrolling in American History 101/102 (College Credit) are not eligible to enroll in U.S. History for additional high school credit.

**COURSE #: 0287**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Social Studies**

**CIVIL WAR**

**GRADES: 10-12**

**Course Description:** Civil War covers the Antebellum south focusing on the causes of the Civil War. This information will be followed by a general survey of the Civil War. This course concludes with the Reconstruction Period that followed the Civil War.

**COURSE #: 0251**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Social Studies**

**WORLD WAR II**

**GRADES: 11-12**

**Prerequisite:** World History

**Course Description:** This course covers one of the most important events of the 20<sup>th</sup> Century World War II. Topics included in this study are the causes, the leaders, the Holocaust, the home front, weapons, propaganda, battles, and consequences of the war.

**COURSE #: 0252**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Social Studies**

**WORLD RELIGIONS**

**GRADES: 11-12**

**Course Description:** World Religions is a social studies elective that discusses the historical background and development, major tenets, founders and leaders, significant holidays, and holy writings of the world's five major religions. The course also explores the development of religious concepts among earlier peoples including tribal faiths, mythologies or folk religions, and the philosophies of Confucianism and Taoism.

**COURSE #: 0258**

**CREDITS: ½ Unit**

**TYPE OF CREDIT Social Studies**

**SOCIOLOGY I**

**GRADES: 11-12**

**Course Description:** This course is a study of human relationships. It includes units on culture, socialization, social organization, social institutions, and social problems. Students taking this course will be expected to participate in in-class activities and group projects.

**COURSE #: 0263**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Social Studies**

**SOCIOLOGY II**

**GRADES: 11-12**

**Prerequisite:** Sociology I

**Course Description:** This class will take an in-depth look at the key components of society and how they make society effective. Students will examine the family, deviance, race, ethnicity, education, religion, science, sport,

**COURSE #: 0290**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Social Studies**

population, and the role that it plays in the City of Blue Springs and in relationship to other areas of the world. Students will be expected to participate in class discussion, complete research projects, and write a research paper.

**ECONOMICS**

**COURSE #: 0271**

**GRADES: 11-12**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Social Studies**

**Course Description:** This course will examine both micro and macroeconomic concepts. Units will include economic choices, the stock market, labor and management, money and banking, and role of the consumer. The course is designed for the college-bound student.

**CONTEMPORARY ISSUES**

**COURSE #: 0275**

**GRADES: 10-12**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Social Studies**

**Course Description:** This course will be a study of many issues that confront us every day. The history behind many issues will be included and will lead to a better understanding of the issues as they present themselves today. Students taking this course will be expected to participate in class activities, group projects and presentations.

**PSYCHOLOGY**

**COURSE #: 0283**

**GRADES: 12**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Social Studies**

**Course Description:** This course covers various parts of the study of human behavior including the process of learning, classical conditioning, memory, perception, optical illusions, ESP, personality and many other topics. This course is primarily a lecture/discussion course.

**GLOBAL ISSUES**

**COURSE #: 0288**

**GRADES: 11-12**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Social Studies**

**Course Description:** This course will examine issues, both current and historical, as they relate to the human rights of people both in the United States and around the world. Topics will include but limited to the civil rights movement in the United States, the Holocaust and modern day genocides in such places as Rwanda, Cambodia, and the Sudan. Students taking this course should plan to do independent research and participate in class discussions.

**MINORITIES IN AMERICAN HISTORY**

**COURSE #: 0291**

**GRADES: 11-12**

**CREDITS: ½ Unit**

**TYPE OF CREDIT: Social Studies**

**Course Description:** Through this course, students will examine the contributions of minorities to American history. Students will learn about the influence of Native Americans, African Americans, Hispanic-Americans, Asian-Americans, women, and other groups on American society. Topics will include the early struggles of immigrant groups to adapt to America, key minority leaders and historical figures, and how the major events in U.S. history (such as The Great Depression and the major wars) impacted minority groups in America. Through independent research and class discussion, students will receive a greater appreciation of our nation's diversity.

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**SPEECH/DEBATE/DRAMA**


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**COMMUNICATIONS I****GRADES: 11-12****COURSE #: 0502****CREDITS: ½ Unit****TYPE OF CREDIT: Speech/Communication Art**

**Course Description:** This semester course is designed to help students improve their communication skills through various types of activities. Activities include introductions to self-awareness, opportunities to prepare, present and evaluate speeches, exercises in articulation, group decision making activities, and analytical thinking.

**Fulfills the ½ unit of Speech requirement for graduation.**

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**DEBATE I (BSHS)****GRADES: 9-12****COURSE #: 0508****CREDITS: 1 Unit**

**Recommendation:** A GPA of 2.0 or better is recommended

**TYPE OF CREDIT: Speech/Communication Art**

**Course Description:** This course is for those students interested in learning to view both sides of an issue. Students debate in class on the national debate topic. Experience is also provided in preparation and presentation of original oratories and extemporaneous speaking. Students will help manage either the Blue Springs or Blue Springs South Tournament. **Weekend tournament participation is required. Fulfills the ½ unit of Speech requirement for graduation.**

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**DEBATE I (BSSHS)****GRADES: 9-12****COURSE #: 0509****CREDITS: 1 Unit****TYPE OF CREDIT: Speech/Communication Art**

See course information above.

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**DEBATE II****GRADES: 10-12****COURSE #: 0510****CREDITS: 1 Unit**

**Prerequisite:** Debate I and teacher approval

**TYPE OF CREDIT: Speech/Communication Art**

**Course Description:** This course is designed for those students who wish to continue a more in-depth study of argumentation, both in theory and practice. Besides debating, experience in extemporaneous speaking and original oratory will be provided. Students will help manage the Blue Springs or Blue Springs South Tournament. **Weekend tournament participation is required. May fulfill the ½ unit of Speech requirement for graduation.**

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**DEBATE III****GRADES: 11-12****COURSE #: 0512****CREDITS: 1 Unit**

**Prerequisite:** Debate II and teacher approval

**TYPE OF CREDIT: Speech/Communication Art**

**Course Description:** This course continues the development of critical thinking skills, research skills, and persuasive speaking skills as applied to the national high school debate topic. In addition students are asked to focus on and refine the performance of one individual event. The students in this advanced class will be involved in some peer teaching/coaching as they work with beginning debaters. They will also have leadership roles in the management of the Blue Springs or Blue Springs South Speech Tournament. **Weekend tournament participation is required. May fulfill the ½ unit of Speech requirement for graduation.**

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**DEBATE IV – ARGUMENTATION AND DEBATE (Com 212)\*****GRADES: 12****COURSE #: 0514****CREDITS: 1 Unit**

**Prerequisite:** Debate III & teacher approval

**TYPE OF CREDIT: Speech/Communication Art**

**Dual/Articulated Credit:** 3 semester hours for qualified students. Must meet UMKC requirements.

**Course Description:** Debate IV will expose students to models for evaluating reasoning, supporting materials, and organizational techniques. More emphasis will be placed on debate theory as students strive to improve their organizational techniques. Students will assume leadership roles in the management of the Blue Springs/Blue Springs South speech tournament. **Weekend tournament participation is required.** A UMKC fee is required if this course is taken for college credit. Two semesters of enrollment are required for college credit. **May fulfill the ½ unit of Speech requirement for graduation.**

**FORENSICS I (1<sup>st</sup> Semester only) (BSHS)**

**COURSE #: 0516**

**GRADES: 9-12**

**CREDITS: ½ Unit**

**Prerequisite:** None

**TYPE OF CREDIT: Fine Art**

**Recommendation:** None

**Dual/Articulated Credit:** None

**Course Description:** Forensics is a course in which students prepare for competition in such categories as duet acting, dramatic and humorous interpretation, poetry and prose reading, storytelling, and duo interpretation.

**Weekend tournament participation is required.** Students in this course will also help with the Blue Springs or Blue Springs South Tournament. **May fulfill the ½ unit of Fine Arts credit.**

**FORENSICS I (1<sup>st</sup> Semester only) (BSSHS)**

**COURSE #: 0517**

**GRADES: 9-12**

**CREDITS: ½ Unit**

**See course information above.**

**TYPE OF CREDIT: Fine Art**

**FORENSICS II**

**COURSE #: 0518**

**GRADES: 10-12**

**CREDITS: 1 Unit**

**Prerequisite:** Forensics I & teacher recommendation

**TYPE OF CREDIT: Fine Art**

**Course Description:** This course is designed for those students who wish to continue a more in-depth analysis of interpretation of literature and rehearsal techniques. **Students are required to participate in weekend tournaments and to help run the Blue Springs or Blue Springs South Speech Tournament.** **May fulfill the ½ unit of Fine Arts credit.**

**FORENSICS III**      **COURSE: 0519**

**GRADES: 11-12**

**CREDITS: 1 Unit**

**Prerequisite:** Forensics II & teacher recommendation

**TYPE OF CREDIT: Fine Art**

**Course Description:** This course continues the development of the critical and independent analysis of interpretation and rehearsal techniques. Students will also increase their researching skills and acquire a better knowledge for the cutting and adapting of interpretive materials. In addition, reader's theatre and radio speaking will be covered. **Students will hold committee positions for the Blue Springs/Blue Springs South Speech Tournament.** **May fulfill the ½ unit of Fine Arts credit.**

**FORENSICS IV\***

**COURSE #: 0520**

**GRADES: 12**

**CREDITS: 1 Unit**

**Prerequisite:** Forensics III & teacher recommendation

**TYPE OF CREDIT: Fine Art**

**Dual/Articulated Credit:** 3 semester hours (Dual credit is available for students who meet all MCC requirements. An MCC fee is required for the dual credit and must be paid during the first week of school.)

**Course Description:** College credit Forensics refines the critical and independent analysis of interpretation and rehearsal techniques. Learners will be exposed to peer coaching. **Students will assume leadership roles in the Blue Springs/Blue Springs South Speech Tournament. Weekend tournament participation is required.** A MCC dual credit fee is required if this course is taken for college credit. **May fulfill the ½ unit of Fine Arts credit.**

**INTRODUCTION TO THEATRE**  
**GRADES: 9-12**

**COURSE #: 0522**  
**CREDITS: ½ Unit**  
**TYPE OF CREDIT: Fine Art**

**Course Description:** This is a survey course for the students who wish to explore the fundamental elements of theatre. Units covered include basic acting skills, theatre history, and dramatic structure. **This may fulfill the ½ unit of Fine Arts credit.**

**THEATRE STUDY**  
**GRADES: 10-12**

**COURSE #: 0530**  
**CREDITS: ½ Unit**  
**TYPE OF CREDIT: Fine Art**

**Prerequisite:** Introduction to Theatre & teacher recommendation

**Course Description:** This course is designed for those students who wish to further develop their acting skills. Emphasis is placed on character development, play analysis and scene study. **This may fulfill ½ unit of the Fine Arts credit.**

**ADVANCED THEATRE STUDY**  
**GRADES: 11-12**

**COURSE #: 0532**  
**CREDITS: ½ Unit**  
**TYPE OF CREDIT: Fine Art**

**Prerequisite:** Theatre Study and teacher recommendation

**Course Description:** This course is designed for those students who wish to pursue theatre in more depth. Participants will study audition techniques, acting styles and production principles. Students will apply learned skills in classroom performance. Out-of-class activities may be required. **This may fulfill ½ unit of the Fine Arts credit.**

**STAGE DESIGN AND THEATRE TECHNOLOGY**  
**GRADES: 10-12**

**COURSE #: 0536**  
**CREDITS: ½ Unit**  
**TYPE OF CREDIT: Elective**

**Prerequisite:** Introduction to Theatre & teacher recommendation

**Course Description:** Students interested in the technical aspects of theatre production will study scene design and construction, scene painting, lighting, costumes, properties, special effects, and make-up. **This is an elective credit.**

**INTRODUCTION TO DIRECTING**  
**GRADES: 12**

**COURSE #: 0538**  
**CREDITS: 1 Unit**  
**TYPE OF CREDIT: Elective**

**Prerequisite:** Advanced Theatre Study and teacher recommendation

**Course Description:** This class is for seniors who desire to develop directing skills. Participants will study various directing techniques, prepare scenes and direct one-act plays. **This is an elective credit.**

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**OTHER NON-DEPARTMENTAL ELECTIVES**


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**ACT PREP CLASS****GRADES: 10-12****Prerequisite:** Geometry or Tech Geometry**COURSE #:** 1555**CREDITS:** ½ Unit**TYPE OF CREDIT:** Elective

**Course Description:** This course prepares students for all four portions of the ACT test – Math, Science, English, and Reading. Students should plan to take the ACT Exam at least one time during the semester. **Test fees will be paid by the students.**

**CADET EXPLORATORY TEACHING****GRADES: 12****COURSE #:** 1517**CREDITS:** ½ Unit**TYPE OF CREDIT:** Elective

**Course Description:** The purpose of this class is to give those high school students interested in becoming teachers, pre-vocational information and experience. The program consists of five weeks of “readiness” activities in a classroom situation with the regular instructor, ten weeks of field work with a cooperating teacher, and two weeks classroom debriefing in the classroom. Students may select placement at either the elementary or secondary level. The class is offered the last hour of the day. A sixth hour study hall is needed for students wishing to be placed at the secondary level. It is recommended that students wishing to be placed at the elementary level be able to give one hour beyond the regular senior high day. Each person must furnish his/her own transportation. **NOTE: First semester at Blue Springs South High School only. Second semester at Blue Springs High School only.**

**PEER ASSISTANTS (BSHS only)****GRADES: 12****COURSE #:** 1518**CREDITS:** ½ Unit**TYPE OF CREDIT:** Elective

**Course Description:** This course allows students to assist with special needs students for credit.

**LEADERSHIP****GRADES: 11-12****Prerequisite:** Member of Senate**COURSE#:** 1514**CREDITS:** 1 Unit**TYPE OF CREDIT:** Elective

**Course Description:** This class is designed to develop leadership skills for those who have been elected to a position in the Student Senate. Areas of study will include writing constitutions, conducting a business meeting, organizing committees, identifying leadership skills in others, devising and leading student activities. The format will consist of academic and workshop activities.

**AMERICAN SIGN LANGUAGE (BSSHS Only)****GRADES: 10-12****COURSE#:** 1524**CREDITS:** ½ Unit**TYPE OF CREDIT:** Elective

**Course Description:** Beginning American Sign Language (ASL) is a semester-long course designed to provide students with a fundamental vocabulary base, a basic understanding of ASL grammatical and syntactic structure, beginning conversational skills and a general knowledge of Deaf culture. No prior experience with sign language or the Deaf community is necessary. American Sign Language may be counted as an elective, Foreign Language, or 4<sup>th</sup> year English course at some colleges and universities.

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**CAREER FOCUS PROGRAMS**


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**Agriculture**


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**AGRICULTURE SCIENCE I** (Freshman Center only)  
**GRADES: 9**

**COURSE #: 6675**  
**CREDITS: 1 Unit**

**TYPE OF CREDIT: Practical Art/Elective**

**Course Description:** A course designed for instruction in animal science, plant science, career exploration, leadership and personal development, and supervised agricultural experience. Units may include agribusiness, natural resources, and food science. Work-based learning strategies appropriate for this course are agri-science projects, internships, and supervised agricultural experience. Supervised agricultural experience programs and FFA leadership activities are integral component of this course and provide many opportunities for practical application of instructional competencies.

**AGRICULTURAL SCIENCE II**  
**GRADES: 10-12**

**COURSE #: 6676**  
**CREDITS: 1 Unit**

**Recommendation:** Ag Science I or  
 Instructor approval

**TYPE OF CREDIT: Practical Art/Elective**

**Course Description:** A course designed for instruction in plant and crop science, soils, entomology, horticulture, and forestry, and additional instruction in animal science, career development, leadership, and supervised agricultural experience. Work-based learning strategies appropriate for this course are agri-science projects, internships, and supervised agricultural experience. Supervised agricultural experience programs and FFA leadership activities are integral component of this course and provide many opportunities for practical application of instructional competencies.

**ANIMAL SCIENCE – EQUINE (Large Animal) – 1<sup>st</sup> Sem only**  
**GRADES: 11-12**

**COURSE #: 6679**  
**CREDITS: 1/2 Unit**

**Prerequisite:** Ag Science II or Instructor approval

**TYPE OF CREDIT: Practical Art/Elective**

**Course Description:** This course focuses on the basic scientific principles and processes that are involved in animal physiology, breeding, nutrition, and care in preparation for an animal science career major. Special emphasis will be placed on the study of horses and topics will include animal diseases, introduction to animal science, animal nutrition, animal science issues, career opportunities, and animal evaluation. Work-based learning strategies appropriate for this course are agri-science projects, internships, and supervised agricultural experience. Supervised agriculture experience programs and FFA leadership activities are integral components of this course and provide many opportunities for practical application of instructional competencies.

**ANIMAL SCIENCE –ANIMAL CARE ASSISTANT/  
 SMALL ANIMAL – 2<sup>nd</sup> Sem only**  
**GRADES: 11-12**

**COURSE #: 6680**  
**CREDITS: 1/2 Unit**

**Prerequisite:** Ag Science II or Instructor approval

**TYPE OF CREDIT: Practical Art/Elective**

**Course Description:** This course provides instruction on animal science topics related to small animals that are served by a veterinarian. Content related to the breeding, grooming, care and marketing of animals that fit into this category will be covered through this course. Emphasis will also be placed on client relations and other essential work skills necessary for success in this field. Opportunities for students to gain hands-on experience will be included in the course. Work-based learning strategies appropriate for this course are agri-science projects, internships, and supervised agricultural experience. Supervised agricultural experience programs and FFA leadership activities are integral components of this course and provide many opportunities for practical application of instructional competencies.

**HORTICULTURE (1<sup>st</sup> Sem only)****GRADES: 11-12****Prerequisite:** Ag Science II or Instructor approval**COURSE #: 6681****CREDITS: 1/2 Unit****TYPE OF CREDIT: Practical Art/Elective**

**Course Description:** The students will be exposed to many areas of plant propagations, greenhouse management, vegetable and fruit growing. Work-based learning strategies appropriate for this course are agri-science projects, internships, and supervised agricultural experience. Supervised agriculture experience programs and FFA leadership activities are integral components of this course and provide many opportunities for practical application of instructional competencies.

**LANDSCAPING MAINTENANCE & DESIGN (2<sup>nd</sup> Sem only)****GRADES: 11-12****Prerequisite:** Ag Science II or Instructor approval**COURSE #: 6682****CREDITS: 1/2 Unit****TYPE OF CREDIT: Practical Art/Elective**

**Course Description:** Students gain a working knowledge of how plants grow and identification, installation, and maintenance of trees, shrubs, bedding plants, and ground covers. Each student will create 4 major landscaping designs suitable for their landscape portfolio, and will receive hands-on experience in selected landscaping projects. Work-based learning strategies appropriate for this course are agri-science projects, internships, and supervised agricultural experience. Supervised agriculture experience programs and FFA leadership activities are integral components of this course and provide many opportunities for practical application of instructional competencies.

**Biomedical****PRINCIPLES OF BIOMEDICAL SCIENCES (PLTW)****GRADES: 9**

**Course Description:** This course provides an introduction to the biomedical sciences through exciting “hands-on” projects, research and problem solving. Student work involves the study of human medicine, research processes and an introduction to bio-informatics. Students investigate and research biological concepts of the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases.

**COURSE #: 6695****CREDIT: 1 Unit****TYPE OF CREDIT: Practical Art/Elective****HUMAN BODY SYSTEMS (PLTW)****GRADES: 10****Prerequisite:** Principles of Biomedical Sciences**COURSE #: 6696****CREDIT: 1 Unit****TYPE OF CREDIT: Practical Art/Elective**

**Course Description:** In this course students will examine the processes, structures, and interactions of the human body systems to learn how they work together to maintain homeostasis (internal balance) and good health. Through research and interviews students will use real-world cases to take the role of biomedical professionals and work together to solve medical mysteries. Hands-on and research projects include designing experiments, investigating the structures and functions of body systems, and using data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiratory operation. Students will be introduced to area professionals in the biomedical field.

**MEDICAL INTERVENTIONS (PLTW)****GRADES: 11****Prerequisite:** Human Body Systems**COURSE #: 6697****CREDITS: 1 Unit****TYPE OF CREDIT: Practical Art/Elective**

**Course Description:** In this course, students investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a “How To” manual for maintaining overall health and homeostasis in the body as students explore how to prevent and fight infection, how to screen and evaluate the code in human DNA, how to prevent, diagnose and treat cancer, and how to prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to the

wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Each family case scenario introduces multiple types of interventions and reinforces concepts learned in the previous two courses, as well as presenting new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. These interventions are showcased across the generations of the family and provide a look at the past, present, and future of biomedical science.

## Engineering

**Project Lead the Way (PLTW) is a nationally recognized engineering curriculum being offered in the Blue Springs School District. Ask your guidance counselor for more information regarding Project Lead the Way or go to [www.pltw.org](http://www.pltw.org).**

### **INTRODUCTION TO ENGINEERING DESIGN (PLTW)**

**COURSE #: 6690**

**GRADES: 9**

**CREDITS: 1 Unit**

**Recommendation:** Algebra I

**TYPE OF CREDIT: Practical Art/Elective**

**Course Description:** This course teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software. This course utilizes the Project Lead The Way curriculum.

### **PRINCIPLES OF ENGINEERING (PLTW)**

**COURSE #: 6691**

**GRADES: 10-12**

**CREDITS: 1 Unit**

**Recommendation:** Completion of Algebra 1

**TYPE OF CREDIT: Practical Art/Elective**

**Course Description:** This course helps students explore various technology systems and manufacturing processes. This course explores all fields of engineering. This will help students learn how technical professionals use math, science and technology in a problem solving process. This course utilizes the Project Lead The Way curriculum.

### **DIGITAL ELECTRONICS (PLTW)**

**COURSE #: 6693**

**GRADES: 11-12**

**CREDITS: 1 Unit**

**Prerequisite:** Principles of Engineering or teacher permission

**TYPE OF CREDIT: Practical Art/Elective**

**Course Description:** This is a course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits. This course uses the Project Lead the Way national curriculum.

## Nail Tech

### **NAIL TECH A.M. (Located at Hall-McCarter Education Center)**

**COURSE #: 6661**

**GRADES: 12**

**CREDITS: 3 Units**

**Prerequisite:** Application process

**TYPE OF CREDIT: Practical Art/Elective**

**Course Description:** This is a year-long program in which students will earn 3 elective or practical arts credit (1 ½ credits per semester). There will also be some evening and Saturdays required. The purpose of this program is to prepare students for an exciting career as a “nail technician”. The student will gain knowledge and experience with basic and spa manicures and pedicures. Plus, you will learn artificial nail enhancements including acrylics, wraps, gels, and tip application. The student will also learn safety and sanitation, business marketing, and customer service skills. After completing this course, students will be able to take the State Board Exam and after passing, will be a licensed “nail technician”.

### **NAIL TECH P.M. (Located at Hall-McCarter Education Center)**

**COURSE#: 6662**

**GRADES: 12**

**CREDITS: 3 Units**

**Prerequisite:** Application process

**TYPE OF CREDIT: Practical Art/Elective**

**See previous description.**

## OFF-CAMPUS EDUCATIONAL OPPORTUNITIES

### CTC – FORT OSAGE CAREER AND TECHNOLOGY CENTER

The high schools of Blue Springs, in cooperation with The Career and Technology Center at Fort Osage, offer to qualifying students the following vocational school-to-career programs.

#### THE CAREER AND TECHNOLOGY CENTER AT FORT OSAGE *More Than You Expect!*

##### **What is Career-Technical Education all about?**

Are you aware that over three-fourths ( $\frac{3}{4}$ ) of all jobs in the twenty-first century will require specialized training? Did you know that of the top twenty fastest growing jobs for the next ten years, fifteen require specialized training only available at schools like the Career and Technology Center? A general high school diploma isn't enough anymore. You need something extra, and that is the type of training offered at The Career and Technology Center.

##### **Who attends the CTC?**

Students who want more in their high school careers find a variety of options open to them through career/technical education. If you plan to enter the workforce immediately after graduation, you need skills to get started toward a rewarding career. If college is in your future, you can start today by enrolling in any of the career/technical programs that are eligible for college credit through the Metropolitan Community Colleges (MCC).

##### **Can I get College Credit through the CTC?**

Absolutely! The Career and Technology Center is a member of the Metropolitan Community Colleges' Tech Prep Consortium. MCC recognizes the high level of programs at the CTC and awards college credit to students who meet the college's criteria. Many programs offer dual credit that is awarded upon completion of the course requirements and allow students to take the credit to colleges and universities other than the MCC. Some programs offer articulated credit, which is earned at the CTC, but is awarded after graduation and upon successful completion of the first semester at the college that is offering the credit. These dual and articulated credits allow students to graduate from high school with up to a semester of college already completed. Earning college credit requires the student to meet the college's criteria on (GPA) grade point average from their home high school, successful completion of the CTC program, and an appropriate score on one of several standardized tests (such as the ACT, MAP, or the MCC's ASSET).

##### **What about Internships?**

Students in courses at the Career and Technology Center have the chance to be involved in exciting internships at area businesses, industries, and companies. Both paid and unpaid internships allow students to put their knowledge to work while still in high school.

##### **What about my college prep certificate?**

The second year of most programs has been designated as an advanced career/technical program, and the credit may be applied to the high school preparatory studies certificate for graduation.

**What is the level of expectation at the CTC?**

The Career and Technology Center demands the same **high** levels of performance found in business and industry. Rigorous standards for attendance and student performance have been set that, when met, can result in a rewarding future for you.

**How do I sign up?**

Act now! Students from Fort Osage, Blue Springs, Blue Springs South, Grain Valley, and Oak Grove High Schools attend The Career and Technology Center, so space is limited. See your counselor for an application. Parents and prospective students will be invited to an orientation and/or open house and will be notified as to dates and times of this meeting.

**AUTO COLLISION TECHNOLOGY A.M. 1610** (3 hours daily) (2 year program) (3 Units, Gr. 11–12, 4 Sems.) 3 high school credits per year. **Twenty-six (26) hours of dual or articulated credit available through Longview Community College (MCC) if college’s criteria are met.**

**Course Description:** Students learn the skills to work in entry-level jobs to repair damaged vehicles. Skilled workers remove dents, repair/replace damaged parts, weld torn metal, and paint vehicles. Students learn to estimate cost of damage and use various tools required to perform the repair tasks involved in the auto body industry. The CTC Auto Collision program is ASE certified.

**AUTO COLLISION TECHNOLOGY P.M. 1612** (3 hours daily) (2 year program) (3 Units, Gr. 11–12, 4 Sems.)

**See previous course description.**

**AUTOMOTIVE TECHNOLOGY I A.M 1614.** (3 hours daily) (2 year program) (3 Units, Gr. 11, 2 Sems.) **Up to nine (9) hours of articulated credit available through Linn State Technical College if college’s criteria are met. Ten (10) hours (total over two years) of dual or articulated credit available through Longview Community College (MCC) if college’s criteria are met. This class can lead to internships with participating dealerships and/or dealer-sponsored education.**

**Course Description:** Automotive Technology prepares the student to meet the challenges of diagnosis and repair of today’s automobile with computer controlled carburetors, fuel injection, and electronic ignition systems along with all of the mechanical parts. Instruction includes tool identification and use, front-end alignment, and air conditioning. ASE certified.

**AUTOMOTIVE TECHNOLOGY I P.M. 1616** (3 hours daily) (2 year program) (3 Units, Gr. 11, 2 Sems.)

**See previous course description.**

**AUTOMOTIVE TECHNOLOGY II A.M. 1602** (3 hours daily) (2nd year program) (3 Units, Gr. 12, 2 Sems.) **Up to nine (9) hours of articulated credit available through Linn State Technical College if college’s criteria are met. Ten (10) hours (total over two years) of dual or articulated credit available through Longview Community College (MCC) if college’s criteria are met. This class can lead to internships with participating dealerships and/or dealer-sponsored education.**

**Course Description:** This course prepares the student to meet the challenges of diagnosis and repair of today’s automobile with computer controlled carburetors, fuel injection, and electronic ignition systems along with all of the mechanical parts. Instruction includes tool identification and use, front-end alignment, and air conditioning. ASE certified.

**AUTOMOTIVE TECHNOLOGY II P.M. 1603** (3 hours daily) (2nd year program) (3 Units, Gr. 12, 2 Sems.)

**See previous course description.**

**CONSTRUCTION TRADES TECHNOLOGY A.M. 1622** (3 hours daily) (2 year program) (3 Units, Gr. 11–12, 4 Sems.) **Advanced placement in construction apprenticeships available.**

**Course Description:** Students learn the step-by-step procedures of building a house or similar structure. Students learn tools, safety, blue print reading, wall framing, roofing, interior and exterior finishes, as well as other construction skills. Students who successfully complete this program may be ready to enter the construction trades industry.

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**CONSTRUCTION TRADES TECHNOLOGY P.M. 1624** (3 hours daily) (2 year program) (3 Units, Gr. 11–12, 4 Sems.) 3 high school credits per year.

**See previous course description.**

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**COMPUTER AIDED DESIGN TECHNOLOGY (CAD-TECH) A.M. 1626** (3 Units, Gr. 11–12, 4 Sems.) (2 year program) First year seniors considered with available space. **Ten (10) hours of dual or articulated credit available through Business and Technology College (MCC) if college's criteria are met.**

**Course Description:** Students learn about the many items in everyday life that have been designed and developed by drafters or engineers and how CAD systems work with amazing speed and accuracy. Students also learn to gather the necessary data to plan, design and complete a finished product. The second year offers advanced studies of design and automated manufacturing from idea to finished product.

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**COMPUTER AIDED DESIGN TECHNOLOGY (CAD-TECH) P.M. 1628** (2 year program) (3 Units, Gr. 11–12, 4 Sems.)

**See previous course description.**

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**CULINARY ARTS A.M. 1605** (3 Units, Gr. 11 – 12, 4 Sems.) (2 year program)

First year seniors considered with available space.

**Course Description:** Beyond microwave cooking .... CTC Culinary Arts students will cook, serve and cater in a fully operational, commercial kitchen filled with new, state-of-the-art equipment. Each day, students will be involved with hands-on experiences in the preparation of menus using regional and seasonal ingredients. Restaurant partnerships will give CTC students a unique opportunity to work with area chefs. All aspects of safety and sanitation are covered in connection with the Jackson County Health Department. Students will leave the program with a diverse set of skills allowing them to gain employment in all areas of hospitality and / or continue their education.

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**CULINARY ARTS P.M. 1606** (3 Units, Gr. 11 – 12, 4 Sems.) (2 year program)

First year seniors considered with available space.

**See previous course description.**

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**HEALTH OCCUPATIONS A.M. 1638** (3 Units, Gr. 12, 2 Sems.) (1 year program) Certification for Nurse Aide (CNA) in Long Term Care available. Students must be able to drive to clinical settings in the Independence/Blue Springs area.

**CPR and first aid certification available.**

**Course Description:** Health care is one of the fastest growing areas for employment. Students will learn about the seven areas of health care through classroom instruction, job shadowing, and second semester clinical experiences. Interested students can become eligible for Certification as Nurse Aides in Long Term Care. Students can earn one credit of their required science credit.

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**HEALTH OCCUPATIONS P.M. 1640** (3 Units, Gr. 12, 2 Sems.) (1 year program)

**See previous course description.**

**COMPUTER SUPPORT SERVICES I A.M. 1650** (3 Units, Gr. 11-12, 2 Sems.) (1st year program) **Twelve (12) hours of dual or articulated college credit available through Blue River Community College (MCC) if college's criteria are met. Successful students are prepared to take the A+ certification test.**

**Course Description:** Students learn end user support of microcomputers, software applications, problem-solving skills, trouble-shooting skills, and workplace skills. Fundamental concepts using state-of-the art equipment validate their importance to the computer technician. Students learn the assembly and testing of today's PC, hardware and software diagnostics, and computer networking.

**COMPUTER SUPPORT SERVICES I P.M. 1652** (3 Units, Gr. 11-12, 2 Sems.) (1st year program)

See previous course description.

**COMPUTER SUPPORT SERVICES II A.M. 1653** (3 Units, Gr. 12, 2 Sems.) (2nd year program.) **Sixteen (16) hours of dual or articulated college credit available through The Business and Technology College (MCC) if college's criteria are met.**

**Course Description:** This program is designed to teach students the skills needed to design, build, and maintain networks. This provides them with the opportunity to enter the workforce and/or further their education and training in the computer-networking field. Students will study networking, topologies and copper cabling, fiber optic theory and cabling, and network operating systems using Microsoft NT and Novell Netware. This program prepares students to take the CCNA (Cisco Certified Network Associate) exam.

**COMPUTER SUPPORT SERVICES II P.M. 1655** (3 Units, Gr. 12, 2 Sems.)

See previous course description.

**FIRE SCIENCE PROGRAM 1664 A.M.** (3 Units, Gr. 11-12, 2 Sems.) (1 year program) First year seniors are considered with available space. **Thirteen (13) hours of articulated credit available through MCC if college's criteria are met.**

**Course Description:** Students learn the basics of fire fighting that includes fire behavior, attack, and streams, inspections and the use of ladders, hoses, and breathing apparatus, techniques of rescue, and handling of hazardous materials. **Students who successfully complete the course may take the Fire Fighter I and II tests for certification.**

**EMERGENCY MEDICAL TECHNICIAN 1665 P.M.** (3 Units, Gr. 12, 2 Sems.) (1 year program) First year senior (without Fire Science) considered with available space. **Eight (8) hours Emergency Medical Technician-Basic available through MCC's Paramedic Program, if college's criteria are met.**

**Course Description:** Students will learn the essentials of lifesaving through emergency medical procedures, including the care and transportation of the sick and injured. **Successful graduates are eligible to take the National Registry exam.** Students must demonstrate proficiency in Hazard Materials Awareness and Operations. Due to the rigorous training, this course requires excellent writing and verbal skills. **Students who have successfully completed the Fire Science Technology class will be given first priority for enrollment in this class.**

**AGRICULTURE PRODUCTIONS 1670 P.M.** (3 Units, Gr. 11-12, 4 Sem.) (First year seniors considered with available space.)

**Course Description:** Students will learn various metal fabrication techniques used in today's agricultural environment. Each student will fabricate a project using ARC and MIG welders, oxy-acetylene torches, and plasma cutting equipment along with an assortment of hand tools. Plant science and horticulture production will include pest and insect control, basic plant identification, and landscape design techniques. This course is for advanced ag science students as well as those beginning students interested in a career in ag science.

**EASTERN JACKSON COUNTY EDUCATIONAL RESOURCE CENTER – INDEPENDENCE CENTER  
(Via CTC)**

**ENTREPRENEURIAL STUDIES A.M. 1689** (3 Units, Gr. 12) (1 year program) (2 Sems.)

**Prerequisite:** Senior status, minimum 2.5 GPA recommended.

**Course Description:** Eighteen (18) hours of dual college credit available through Blue River Community College (MCC) if college's criteria are met. Students learn the essentials to start and operate a business using state-of-the-art technology. The class projects include a written business plan, establishing a business at Independence Center Mall that the students will create and operate, and a six-week internship in an approved business under the supervision of the owner/manager and teacher/coordinator. The course also includes individual and team research and oral presentation of projects with visuals.

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**ENTREPRENEURIAL STUDIES P.M. 1690** (3 Units, Gr. 12, 2 Sems.) (1 year program)  
 See previous course description.

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### SUMMIT TECHNOLOGY ACADEMY

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The senior high schools of Blue Springs, in cooperation with the Lee's Summit high schools, offer an off-campus opportunity for qualifying students for advanced studies in electronics, bio-science, technology/manufacturing technologies, and computer science.

#### Summit Technology Academy Course Offerings For the 2010-2011 School Year

<b>SUMMIT TECHNOLOGY ACADEMY</b>
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**SUMMIT TECHNOLOGY COURSES ARE OFFERED AS A DAILY 2 HOUR AND 5 MINUTE  
 BLOCK AT THE**

<b>SUMMIT TECHNOLOGY ACADEMY IN LEE'S SUMMIT</b>
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A **Center of Excellence** is the site of a specialty career-related program. Acceptance into a Center of Excellence program requires a student to have a minimum 2.0 GPA and a 90% or better attendance rate. Students interested should contact their counselor for an application. Programs marked with an asterisk (\*) are approved Center of Excellence programs.

\*\* **Project Lead The Way Engineering** is a nationally recognized engineering curriculum being offered through the Blue Springs School District. Introduction to Engineering & Design, (IED), Principles of Engineering (POE), and Digital Electronics are introductory courses being offered in the Blue Springs School District. **Students can advance these studies by taking Computer Integrated Manufacturing or Engineering Design and Development offered at Summit Technology Academy.** Ask your guidance counselor about information regarding PLTW or go to [www.pltw.org](http://www.pltw.org). Courses marked with a double asterisk (\*\*) are approved Project Lead the Way courses.

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**COMPUTER INTEGRATED MANUFACTURING\*\* (Spring semester AM & PM)**

**COURSE #: 1607 A.M.**

**COURSE #: 1601 P.M.**

**Credit: 1.5 Units**

**Grade:** 11-12

**Prerequisite:** GPA: 2.0 cumulative or better; Attendance 90% or better; Math: Algebra I. Introduction to Engineering Design PLTW

**Recommended:** Digital Electronics, Geometry

This course is designed to expose students to the fundamentals of computerized manufacturing technology. The course is built around several key concepts: Computer Modeling-using a three dimensional, solid modeling software package with mass property analysis. CNC Equipment-understanding the machine tools and its operating and programming aspects. CAM Software-converting computer generated geometry into a program to drive CNC machine tools. Robotics-using a robot for materials handling and assembly operations. Flexible Manufacturing Systems-working in teams to design manufacturing work-cells and table top factory simulations.

**ENGINEERING DESIGN AND DEVELOPMENT\*\* (Year long)****COURSE #: 1693 A.M.****COURSE #: 1694 P.M.****CREDITS: 3.0 Units****Grade:** 12**Dual Credit:** CE/ME 111, University of Missouri-Kansas City, School of Computing & Engineering.**PREREQUISITE:** GPA: 2.0 cumulative or better; Attendance: 90% or better; Math: Algebra II B or better. Other requirements: Completion of Digital Electronics with C or better, Principles of Engineering PLTW or high school Physics with a B or better.**Recommended:** Geometry

This is a full year engineering research course in which students work on two major engineering projects as well as a research topic during the year. Fall semester students work on an open-ended EDD problem in which they research, design, and devise a solution. During the second semester, students work in teams to research, design, and construct a solution to an open-ended engineering problem through the Lee's Summit Public Works Department. Students apply principles developed in the four preceding courses, learn advanced physics applications, and are guided by an engineering mentor. They must present progress reports, submit a final written report, and defend their solutions to a panel of outside reviewers at the end of the school year.

**IT ESSENTIALS\* (Fall AM & PM)****COURSE #: 1685 A.M. (1<sup>ST</sup> Sem)****COURSE #: 1686 P.M. (1<sup>ST</sup> Sem)****Credits: 1.5 Units****Grade:** 11-12**Dual Credit:** 6 hours at Metropolitan Community College—CSIS 112-113 or UCM Net 1060-1061 (eligible students)\***PREREQUISITE:** GPA: 2.0 cumulative or better; Attendance: 90% or better; Math: Algebra I, C or better; Reading/Writing: 10<sup>th</sup> grade level; Other requirement: Keyboarding, minimum 30 WPM.**Recommended:** Algebra II; Home Internet access.

This course prepares students for careers as network technicians, as well as, help desk and customer service positions. It provides a basic overview of routing, remote access, addressing, monitoring, security, and troubleshooting. It also familiarizes students with servers that provide email services, web space, and authenticated access. This course helps the student prepare for the Cisco Certified Entry Network Technician certification exam.

**NETWORKING ESSENTIALS\* (Spring AM & PM)****COURSE#: 1691 A.M. (2<sup>nd</sup> Sem)****1692 P.M. (2<sup>nd</sup> Sem)****Credits: 1.5 Units****Grade:** 11-12**Dual Credit:** 6 hours at Metropolitan Community College—CSIS 212, 213 or UCM Net 2060-2061 (eligible students)\***PREREQUISITE:** GPA: 2.0 cumulative or better; Attendance: 90% or better; Math: Algebra I, C or better; Reading/Writing: 10<sup>th</sup> grade level; Other requirement: Keyboarding, minimum 30 WPM.**Recommended:** Minimum grade of C in IT Essentials; Algebra II; Home Internet access.

**This course familiarizes students with the equipment, applications, protocols, and design principles in enterprise networks. This course focuses on switched networks, IP telephony requirements, and security and introduces advanced protocols. With IT Essentials, this course helps the student prepare for the Cisco Certified Network Associate certification exam.**

**NETWORK SECURITY (Fall AM & PM)****COURSE #: 1695 A.M. (1<sup>st</sup> Sem)****1696 P.M. (1<sup>st</sup> Sem)****Credits: 1.5 Units****Grade:** 12**Dual Credit:** 3 hours with UCM, Net 3068 (eligible students)\***PREREQUISITE:** Instructor Approval

This course teaches students the skills needed to obtain entry-level security specialist jobs. It provides a hands-on introduction to network security. Instructors are encouraged to provide outside-the-classroom learning experiences. This course helps the student prepare for the Certified Cisco Network Associate Security certification exam.

### **DIGITAL MEDIA TECHNOLOGY (Year-long)**

**COURSE #:** 1705 A.M.  
1706 P.M.

Grade: 11-12

**Credits: 3 Units**

**PREREQUISITE:** GPA: 2.0 cumulative or better; Attendance: 90% or better; Math: Algebra I, C or better; Reading/Writing: 10<sup>th</sup> grade level; one credit in Fine Arts.

**Recommended:** Computer Applications or Programming; proficiency in keyboarding

The Entertainment Media Technology program at Summit Technology Academy gives students an opportunity to explore and prepare for careers in the entertainment and media communications industries. Students will focus on audio production technologies including sound generation, studio recording and live sound reinforcement. They will work in teams to integrate music, graphics and video technologies in entrepreneurial projects for their schools and/or communities.

### **MEDICAL INTERVENTIONS/BIOMEDICAL INNOVATION (Year-long)**

**COURSE #:** 1687 A.M.  
1688P.M.

Grade: 11-12

**Credits: 3 Units**

**Dual Credit:** Bio 1 150 (2 credit hours) Metropolitan Community College (for eligible students)\*

**PREREQUISITE:** GPA: 2.0 cumulative or better; Attendance: 90% or better; PLTW Principles of Biomedical Science and Human Body Systems; or Anatomy-Physiology, and Chemistry. Students will have a background check and a TB test.

**Recommended:** Principles of Biomedical Science, Human Body systems, and Computer Applications.

**Medical Interventions™** Students investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a “How-To” manual for maintaining overall health and homeostasis in the body as students explore how to prevent and fight infection, how to screen and evaluate the code in human DNA, how to prevent, diagnose and treat cancer, and how to prevail when the organs of the body begin to fail. Students are exposed to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

**Biomedical Innovation™** In this capstone course students design and conduct experiments related to the diagnosis, treatment, and prevention of disease or illness. They apply their knowledge and skills to solve problems related to Bio-Medical science. They may work with a mentor or advisor from a university, hospital, physician’s office, or industry as they complete their work. Students are expected to present the results of their work to an adult audience, which may include representatives from the local healthcare or business community, or partnership team.

### **PRE-PROFESSIONAL NURSING (Year-long)**

**COURSE #:** 6671 A.M.  
6669 P.M.

Grade: 12

**Credits: 3 Units**

**Dual Credit:** Bio 1 150 (2 credit hours) Metropolitan Community College (for eligible students)\* Eligible students can also earn 4 credit hours through University of Central Missouri.

**PREREQUISITE:** GPA: 2.0 cumulative or better; Attendance: 90% or better; Math: Algebra I, C or better; Reading/Writing: 10<sup>th</sup> grade level; Biology and Chemistry, C or better; background check.

**Recommended:** Anatomy/Physiology (completed or concurrent enrollment); Chemistry II; Algebra II; College Prep English

This course is designed to prepare senior students, who have identified nursing as a clear career goal, for a collegiate registered nursing program. Students will learn through classroom instruction and practice in a clinical skills lab. Major units of study include nursing history and career exploration, pharmaceutical math, CPR/First Aid, nursing skills, and medical terminology. The course will introduce students to the nursing process, nursing

documentation, effective communication skills and medical ethics. Students will learn and use APA style in the production of a research paper.

Dual college credit options are subject to change based on instructor qualifications and college requirements.

**SUMMIT INTERNATIONAL STUDIES ACADEMY\*(PM only)**

**COURSE #: 6701 P.M.**

Grade: 11-12

**Credits: 3 Units**

**PREREQUISITE:** GPA: 2.5 cumulative or better, Attendance: 90% or better; Students must have completed, or be enrolled in a level II Modern Language course.

**Recommended:** Computer Applications, Business, and Economics World History.

Summit International Studies Academy (SISA) provides students with an in-depth exposure to the major regions and languages of the world. Students will work with industry-standard technology and train members of the community in world cultures. SISA is a long-term corporate simulation, which means that the classroom is run like a business environment as students become active intercultural consultants within the community. Students will also operate in a collaborative environment, utilizing student teams to guide the curriculum. Students will be expected to exhibit a high level of responsibility including professional conduct and certain dress codes. Students will work together to direct their own learning. Students will interview for teams, bringing their unique skills and interests to the team, and will receive additional training in economics and political science that they will use to analyze the current global situation.

**NON-CREDIT**

**STUDY HALL**

**COURSE #: 9910 (1st Semester) & 9911 (2<sup>nd</sup> Semester)**

**Grades: 11 -12**

A student may not enroll in more than one study hall per semester. Counselor approval is required.

**SUPPORTIVE SERVICES**

In accordance with the Individuals with Disabilities Education (IDEA), the Blue Springs School District provides a continuum of supportive services for eligible students identified as needing special education services.

Students are determined eligible under IDEA in the following disability categories:

- Autism
- Deaf/Blindness
- Emotional Disturbance
- Hearing Impairment and Deafness
- Mental Retardation Retardation/Intellectual Disability
- Multiple Disabilities
- Orthopedic Impairment
- Other Health Impairment
- Specific Learning Disabilities
- Speech and/or Language Impairment
- Traumatic Brain Injury
- Visual Impairment/Blind
- Young Child with a Developmental Delay

Enrollment in courses is planned during the student's annual Individualized Education Plan (IEP) review. Please contact your student's counselor or special education process coordinator with questions regarding enrollment and supportive services.

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**GIFTED**

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At the 9<sup>th</sup> grade level, STRETCH (the district's gifted program) is both an advisory program and an incentive program for students who meet the district's gifted education requirements. Students who complete 8<sup>th</sup> grade STRETCH are automatically enrolled in 9<sup>th</sup> grade STRETCH.

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**SUMMER SCHOOL**

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Summer school courses are offered for remediation and enrichment. Courses taken during the summer do count in a student's GPA. Please see your counselor for an application for summer school programs.