

HIGH SCHOOL PROGRAM OF STUDIES

2009 - 2010 COURSE DESCRIPTION BOOK

Blue Springs R-IV School District

Grades 9, 10, 11, & 12

www.bssd.net

www.bssd.net

www.bssd.net

TABLE OF CONTENTS

<u>General Information</u>	Pages 1-2
Purpose	Page 1
District Mission & Philosophy.....	Page 1
Notice of Non-Discrimination	Page 2
School Addresses & Phone Numbers.....	Page 2
Planning and Policies	Page 2
<u>Graduation Information</u>	Pages 3-6
Class of 2010 & 2011	Page 3
Class of 2012 & Beyond	Page 3
Prerequisites, Recommended Course of Study.....	Page 4
Individualized Course Sequencing.....	Page 4
Grade Placement & Credit Information	Page 5
Acceptance of Outside Credits	Page 5
Transfer Credits	Page 6
<u>Your Choices After High School</u>	Page 6
<u>A+ Program</u>	Page 7
<u>Planning For College</u>	Pages 8-15
Dual Credit.....	Page 8
Advanced Placement.....	Page 9
Articulated Credit	Page 10
Early Release	Page 11
Guidance & Counseling	Page 11
College Bound Student Information	Page 12
College Admission Requirements.....	Page 12
College Preparatory Certificate.....	Page 13
College Planning Calendar	Page 15
<u>Missouri State High School Activities</u>	Page 16

<u>NCAA College Freshman Eligibility</u>	Page 16
<u>Library/Media Services</u>	Page 17
<u>Career Paths & Cluster Information</u>	Pages 18-25
<u>Listing of Courses for Enrollment Purposes</u>	Pages 26-38
<u>Curricular Offerings by Department</u>	Pages 39-107
Art	Pages 39-41
Business/Marketing/Technology	Pages 42-46
Communication Arts	Pages 47-52
Family & Consumer Sciences.....	Pages 53-56
Foreign Language.....	Pages 57-60
Industrial/Technical Education	Pages 61-63
Mathematics	Pages 64-67
Music	Pages 68-72
Physical Education/Health	Pages 73-76
ROTC	Pages 77-79
Science	Pages 80-84
Social Studies.....	Pages 85-89
Speech/Debate/Drama	Pages 90-93
Non-Departmental Electives	Page 94
Career Focus Programs	Pages 95-98
Agriculture	Pages 95-96
Biomedical.....	Pages 96-97
Engineering	Page 97
Nail Tech	Pages 97-98
Off-Campus Opportunities	Pages 98-106
CTC/Fort Osage	Pages 98-103
Simon (Independence Center)	Page 103
Summit Technology.....	Pages 104-106
 <u>Supportive Services</u>	 Page 107
 <u>Gifted Program</u>	 Page 107
 <u>Summer School</u>	 Page 107

The Blue Springs School District does not discriminate on the basis of race, creed, color, sex, national origin or handicap. In making the various educational and vocational programs available to otherwise qualified students. Each student is eligible to enroll in any program for which he/she is qualified.

Pursuant to 20 U.S. Code 1681, 1682 it shall be the policy of the Blue Springs School District to provide equal opportunities for employment, promotion and education without regard to sex, age, race, color, creed or national origin. Concerns or complaints regarding possible discrimination should be directed to the building principal or supervisor and the Superintendent of Schools, 1801 NW Vesper, Blue Springs, MO 64015, (816) 224-1300.

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>.

We encourage parents and students to develop a four-year academic plan to guide them toward their post graduation and career goals. Developing a “Four-Year Academic Plan” provides an opportunity to develop, monitor, and manage your educational plan through a structured system. This process begins in 8th grade and is monitored yearly. It is important to select courses very carefully to fulfill this plan. Although this guidebook has fairly definitive explanations of each course approved for offering at the Blue Springs high schools, questions often arise about course content or graduation requirements. Please address those questions to the high school counselors and principals.

The faculty of the secondary Blue Springs schools has been active in curriculum development and believes that a comprehensive curriculum is necessary to meet the needs of all our students. Contained within this booklet are courses which should meet the needs of students who wish to join the work force upon graduation from high school.

The faculty asks that each curricular offering be considered with regard to the student’s future ambitions. Each course description should be studied as to the content and procedures which shall be used within the class.

We hope that our students will take full advantage of the resources of our schools and enroll in areas which will enable them to develop their full potential, allowing them to contribute significantly to society.

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.

Faculty and staff are excited about the opportunities available for your son or daughter at the Blue Springs high schools. Please continue to support your teenager through this very important experience.

BLUE SPRINGS R-IV SCHOOL DISTRICT MISSION STATEMENT AND PHILOSOPHY

Mission Statement: The mission of the Blue Springs School District is to create a community of lifelong learners 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, 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 plan a program of studies 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 Career Path planning worksheet

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 2010 AND 2011

Communication Arts (English I or English Lit & Comp, English II or World Lit, English III or American Lit 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, 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
TOTAL CREDITS	24

CLASS OF 2012 and Beyond

Communication Arts (English I or English Lit & Comp, English II or World Lit, English III or American Lit 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, 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 will complete the evaluation and give the request to the counselors subject to administrative approval.

GRADE PLACEMENT AND CREDIT INFORMATION

Classification for the classes of 2010 and 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.

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 2010, 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).

YOUR CHOICES AFTER HIGH SCHOOL

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

Air Force – 1-417-823-3869

Navy – 1-660-827-0471

Marines – 1-800-335-9623

Coast Guard – 1-800-438-8724

A+ PROGRAM

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 2010 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.** 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.**

MCC DUAL CREDIT GUIDELINES FOR ACADEMIC & OCCUPATIONAL PROGRAMS

Dual Credit courses offer a unique opportunity for students who desire college credit courses while earning high school credit. To be eligible to enroll in dual credit courses, students must:

1. be enrolled as a high school **junior** or **senior**;
2. complete the **MCC Application for Admission**;
3. complete the **MCC College Course Enrollment Form**;
4. meet the **MCC Student Eligibility Guidelines**;
5. pay tuition fees for college credit by the announced due date.

MCC Student Eligibility Guidelines

Students who desire to enroll in dual credit classes must meet the eligibility requirements for enrolling in Metropolitan Community College (MCC) courses as defined by the Missouri Department of Higher Education (MDHE) and MCC policies for all students. Specifically, the students must:

- meet prerequisite requirements for any course;
- meet 3.0 minimum cumulative grade point average on a 4.0 scale for core dual credit classes;
- meet 2.5 minimum cumulative grade point average on a 4.0 scale for technical/vocational dual credit classes
- MCC required scores on nationally standardized placement test (ACT, PLAN, and/or ASSET) to be Proficient or Advanced on the Missouri Assessment Program (MAP) in the subject area of the dual credit;
- have the recommendation of the high school dual credit counselor.

Only in exceptional cases, a student and dual credit school counselor may request an exception to the MDHE eligibility rules for dual credit.

Freshman and sophomore students who want to enroll in dual credit courses must meet the MCC Student Eligibility Guidelines and have a standardized test score in the 90th percentile or higher. The dual credit counselor and the MCC academic administrator will determine the appropriate standardized test for eligibility.

Dr. Cheryl Carpenter-Davis, MCC-BR Dean of Instruction

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

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. 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:

- Marketing II Class
- Advanced Computer Applications
- Clothing II

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.

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 high school counselor to develop a four-year plan. 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 1st. **Applications must be made with 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 8th semester.
- E. Students may not participate in activities regulated by the Missouri State High School Activities Association unless enrolled in 6 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.

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, and
- 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 BOUND STUDENT INFORMATION

Acceptance to a 4-year public or private college is based upon the student's completion of the state-approved core curriculum, class rank, grade point average, and the score on a college admissions test (either the ACT or SAT). A student can consult with the counseling staff or college admission office to determine which test is required by the school(s) of his/her choice. Information about registration and test dates is available in the counseling office. College-bound students should develop an appropriate testing schedule with their counselor. These may include the following: Freshman Year – Explore, Sophomore year – PLAN, PSAT; Junior year – PSAT, ACT (SAT optional); Senior year – ACT (SAT optional). The PLAN is taken free of charge by all sophomores in the Blue Springs School District.

Student athletes wishing to participate in college or university programs must meet the academic eligibility requirements for student athletes of that school. The collegiate athletic governing boards have established guidelines. Questions about eligibility may be directed to the coach, director of activities, or colleges. (See NCAA eligibility, page 16.)

COLLEGE ADMISSION REQUIREMENTS

Requirements for admission to college will depend on the college to which a student is applying and the major. For example, a student planning to enter one of the most highly competitive colleges in the country will need to meet more demanding entrance requirements than a student planning to enter a state school or a community college. The more selective or competitive colleges may require specific numbers of credits in specific courses as well as relatively high class rank and college admission test scores.

The best approach to college planning is to strive to keep options open by taking rigorous coursework all four years of high school, with intense preparation in each area. Students should begin planning early for college in order to have the necessary requirements when it is time to apply to the college of choice. Many colleges and universities are increasing admission requirements, especially in the area of core courses.

Parents and students should check individual institutions and schools for specific requirements and work closely with the Counseling Office at the high school.

The Blue Springs Professional School Counselors recommend that college-bound students take the following courses (beyond BSSD requirements):

- Four (4) units of English plus Speech
- Four (4) units of Mathematics – Algebra I and above
- Three (3) units of Science
- Three (3) units of Social Studies
- One (1) unit of Fine Arts
- Two to four years of a foreign language

Following these guidelines will help prepare students for entrance requirements at the majority of colleges and universities throughout the country. These recommendations, particularly for students in competitive colleges or career fields, should be seen as minimum requirements. Some programs within those universities will have their own additional requirements. Conversely, some universities will not require all of the above. In all scenarios, students must also meet the Blue Springs requirements for graduation.

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 2010 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. The program must include at least these units of credit.

Subjects	Units
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	4
Total	25
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

JUNIOR YEAR PRE-COLLEGE CALENDAR AND CHECKLIST

September

*Identify the sources of colleges and career information at your school. Start looking through guidance publications, college catalogs and guidebooks.

*Put together a list of 10 colleges that you would like to attend. Plan to apply to at least 3-5 schools.

*Talk to your parents and your high school counselor about where you want to go to school.

October

*Take the PSAT/NMSQT

*Attend college fairs.

November

*Contact the counseling office for registration materials and test dates for ACT and SAT. You may register online for the ACT at www.act.org.

December

*Make plans to take college admission tests. Check with colleges as to which tests are required.

February

*Select senior courses according to university or college requirements.

*Look at options of taking ACT.

*Explore college choices.

April

*Begin scheduling visits to each of the 3-5 schools that are on your final list.

*Consider taking the Advanced Placement (AP) exams and SAT II while information is fresh in your mind.

May

*Obtain summer job.

*Save money to pay for college costs. Begin researching financial aid on Internet or at public library.

*Advanced Placement tests are given nationwide.

June

*Look at options of taking ACT and set up college visits for the summer.

SENIOR YEAR PRE-COLLEGE CALENDAR AND CHECKLIST

August

*Review your career plans and decide which type of school is right for you.

*Visit some college campuses.

*Narrow your college list to no more than five schools.

*Request catalogs and admissions information.

*Contact the counseling office for registration materials and test dates for the SAT and/or the ACT.

September

*Meet with admissions representatives who are visiting your school.

*Make a list of test names, dates, fees and registration deadlines, and of deadlines for college admissions and financial aid applications.

*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.

*Ask teachers, guidance counselors and employers for letters of recommendation to include with your admissions and/or scholarship applications.

*Develop one page resume.

*See counselor for web sites.

*Begin scholarship search; watch deadlines.

October

*Take the SAT or ACT exam, if necessary.

*Work on admissions application.

*Visit your top school choices. Interview some students, faculty and staff.

*Attend special programs such as college fairs.

*Apply for college admission.

*Keep a chart of deadline dates.

November

*Register for SAT or ACT exam.

*Work on applications. Check with colleges for dates materials must be postmarked.

December

*Obtain information on scholarships.

January

*Submit your completed Free Application for Federal Student Aid (FAFSA) to the processor as soon after January 1 as possible.

*KEEP COPIES OF ALL FORMS YOU SUBMIT.

January is Financial Aid Awareness Month. Look for special programs in your area.

February

*Mail your FAFSA (Free Application for Federal Student Aid), if you have not already done so.

*Rank your finalized list of colleges.

*Continue scholarship search; watch deadlines!

*Many local scholarships are due.

March

*Look for your Student Aid Report (SAR) in the mail. Your SAR contains federal financial aid information.

*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.

April

*Watch the mail for college acceptance and financial aid award letters. Compare the financial aid awards you receive.

*Make your final decision and send in a deposit by the deadline.

*Check with the college you've chosen to attend about the details of signing and returning financial aid award letters.

*Notify the other schools that you will not be attending.

*Watch for important deadlines at your chosen college (housing, financial aid, etc.). Mail necessary deposits.

May

*Advanced Placement examinations are given in high schools nationwide.

*Finalize summer school or summer job plans.

*Request final high school/college transcript to be sent to chosen college.

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 2009-2010 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). 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.ncaaclearinghouse.org.

DIVISION I 16 Core-Course Rule	DIVISION II
<p>16 Core Courses: 4 years of English 3 years if 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)</p>	<p>14 Core Courses: 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)</p>

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

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.

Each media center facilitates learning through a positive, helpful, and encouraging climate. All patrons are encouraged to utilize the services provided by the Library Media Center.

CAREER PATHS & CLUSTERS OVERVIEW

Career Paths: Missouri has identified six Career Paths as a way to help students become aware of and explore careers in a logical and meaningful way.

Career Clusters: Missouri uses 16 Career Clusters as a way of organizing occupations and careers to assist educators in tailoring rigorous coursework and related activities for all students. The Career Clusters include all occupations, even those not usually found in career and technical education. Career clusters may be used beginning in middle school and can continue as a framework for educational planning through postsecondary education.



ARTS AND COMMUNICATION CAREER PATH

Career Clusters: Arts, AV Technology & Communications

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 CAREER PATH

Career Clusters: Information Technology, Business Management & Administration, Marketing, Finance

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



HEALTH SERVICES CAREER PATH

Career Clusters: Health Science

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



HUMAN SERVICES CAREER PATH

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

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



INDUSTRIAL AND ENGINEERING TECHNOLOGY CAREER PATH

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

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 CAREER PATH

Career Clusters: Agriculture, Food & Natural Resources

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

CAREER PATHS INFORMATION



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.

Career Clusters: Arts, AV Technology & Communications

The following classes will help students explore and prepare for careers in Arts and Communications:

Drawing I & II	Computer Applications	Calculus
Art History	Economics	Environmental Science
3-D Design	CAD I	Band
Fibers	CAD II	Orchestra
Design Fundamentals	Advanced Woodworking	Choir
Portfolio I & II	Drafting Fundamentals	Music Theory
Painting I & II	Architectural Drawing	AP Music Theory
Ceramics I & II	Modern Literature	Music Appreciation
Photography I & II	Creative Writing I and II	Social Dance
Video Technology	Video Production	Physics
Desktop/Multimedia	Computer Composition	Sociology I & II
Housing and Home	Newspaper I & II	Psychology
Furnishings	Trigonometry	Yearbook I & II
Clothing I and II	College Statistics	Theatre/Directing
Two years of the same	Landscape Management &	Communications
foreign language (minimum)	Horticulture	Debate
		Forensics

Occupations in the career path may include:

<i>Broadcast Technicians</i>	<i>Architects</i>
<i>Composer/Typesetter</i>	<i>Commercial Artists</i>
<i>Interpreter & Translator</i>	<i>Designers</i>
<i>Public Relations Specialists</i>	<i>Graphic Artists (Visual Artists)</i>
<i>Radio & TV Announcers/Newscasters</i>	<i>Fashion Designer</i>
<i>Reporters & Correspondents</i>	<i>Florist</i>
<i>Technical Writer</i>	<i>Industrial Designer</i>
<i>Writers & Editors</i>	<i>Interior Decorator</i>
<i>Actors, Directors & Producers</i>	<i>Jeweler</i>
<i>Dancers & Choreographers</i>	<i>Merchandise Display Worker</i>
<i>Model</i>	<i>Motion Picture Projectionist</i>
<i>Musicians</i>	<i>Photographers & Camera Operators</i>
<i>Horticulturist</i>	<i>Sign Painter</i>



BUSINESS, MANAGEMENT & TECHNOLOGY



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

Career Clusters: Information Technology, Business Management & Administration, Marketing, Finance

The following classes will help students explore and prepare for careers in Business, Management & Technology:

Business Calculus	Two years of the same foreign language (minimum)
Introduction to Business	Computer Composition
Desktop/Multimedia Communications	Newspaper I & II
Business Ownership & Management	Yearbook I & II
Computer Application & Advanced Computer Applications	Housing and Home Furnishings
Beginning C++ Programming	College Statistics
AP Computer Science	Personal Finance
Business and Personal Law	Trigonometry
Business Technology	Calculus
Supervised Work Experience	Economics
Marketing. I & II	Psychology
Marketing Work Release	Aerospace Science
Marketing Principles 204 & 205	Entrepreneurial Studies (CTC)
Accounting I & II	Business Computer Tech (CTC)
	Computer Support Specialists (CTC)

Occupations in this career path may include:

<i>Accountants & Auditors</i>	<i>Retail Sales Works</i>	<i>Adjusters, Investigators</i>
<i>Building Manager</i>	<i>Stock Broker</i>	<i>Bank Tellers</i>
<i>Budget Analysis</i>	<i>Travel Agents</i>	<i>Billing Clerk</i>
<i>City Manager</i>	<i>Actuary</i>	<i>Computer Operators</i>
<i>Credit Manager</i>	<i>Computer Systems Analysis</i>	<i>Court Clerk</i>
<i>Personnel, Training & Labor Relations Specialists</i>	<i>Computer Programmer</i>	<i>Court Reporter</i>
<i>Postmaster & Mail Supt.</i>	<i>Shipping & Receiving Clerks</i>	<i>Secretaries</i>
<i>Property & Real Estate Mgr.</i>	<i>Cost Estimator</i>	<i>Data Entry Operator</i>
<i>Purchasing Agents & Managers</i>	<i>Economics & Marketing Research Analysis</i>	<i>Dispatchers</i>
<i>Cashiers</i>	<i>Mathematics</i>	<i>Receptionists</i>
<i>Real Estate Agents/Brokers</i>	<i>Statistics</i>	<i>File Clerk</i>
	<i>Underwriters</i>	<i>Postal Clerks</i>



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

Career Clusters: Health Science

The following classes will help students explore and prepare for careers in Health Services:

Computer Applications I	Anatomy & Physiology
Desktop/Multimedia Communications	Microbiology
Business and Personal Law	Chemistry II/AP
Accounting I	Pre-AP Chemistry/AP Chemistry
Principles of Biomedical	Physics
Child Development	Sociology I & II
Child Care	Psychology
Computer Composition	Economics
College Statistics	Communications I
College Algebra/Trig	Health Occupations (CTC)
Physical Fitness	Fire Science and Emergency Medical (CTC)
Aerobics Plus	Fitness & Wellness
Child Growth & Development I	Pre-AP Biology & AP Biology

Occupations in this career path may include:

<i>Activities Therapist</i>	<i>Dental Assistants</i>	<i>Dental Lab Technician</i>
<i>Ambulance Attendants</i>	<i>Home Health Aides</i>	<i>Dialysis Technician</i>
<i>Dieticians & Nutritionists</i>	<i>Medical Assistants</i>	<i>Dispensing Opticians</i>
<i>Occupational Therapist</i>	<i>Nursing Aides &</i>	<i>EEG Technologies</i>
<i>Occupational Therapy</i>	<i>Psychiatric Aides</i>	<i>Audiologists</i>
<i>Assistant</i>	<i>Chiropractors</i>	<i>Emergency Medical Tech.</i>
<i>Optometric Assistant</i>	<i>Dentists</i>	<i>Industrial Hygienist</i>
<i>Pharmacists</i>	<i>Optician/Dispensing</i>	<i>Licensed Practical Nurse</i>
<i>Physical Therapist</i>	<i>Optometrists</i>	<i>Medical Records Technician</i>
<i>Physician Assistants</i>	<i>Physician</i>	<i>Nuclear Medicine Technician</i>
<i>Recreational Therapists</i>	<i>Podiatrist</i>	<i>Ophthalmic Laboratory Tech.</i>
<i>Registered Nurses</i>	<i>Clinical Laboratory Technologists</i>	<i>Radiology Technologists</i>
<i>Respiratory Therapists</i>	<i>& Technicians</i>	<i>Surgical Technicians</i>
<i>Speech/Language</i>	<i>Dental Hygienists</i>	<i>Ultrasound Technologist,</i>
		<i>Pathologists</i>



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

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

The following classes will help students explore and prepare for careers in Human Services:

Computer Applications	Housing & Home Furnishings	Applied Bio-Chem Tech
Video Technology	Family Relations	Contemporary Issues
Desktop/Multimedia Comm.	Two years of the same	Sociology
Advanced Computer App	foreign language (minimum)	Psychology
Introduction to Family and Consumer Sciences	Computer Composition	Economics
Intro to Culinary Art	Beginning Newspaper	Fire Science (CTC)
Culinary Art I & II	College Statistics	Communications I
Principles of Biomedical	Music Appreciation	Debate
Child Development	Recreational Sports	Aerospace Science
Child Care	World Religions	Cadet Exploratory
Child Growth & Development	Social Dance	Teaching
	Aerobics & Weightlifting	Health Occupations (CTC)

Occupations in the career path may include:

<i>Court Administrator</i>	<i>Library Technician</i>	<i>Funeral Director</i>
<i>Lawyers and Judges</i>	<i>Preschool Worker</i>	<i>Housekeeper</i>
<i>Correction Officers</i>	<i>Secondary School Teachers</i>	<i>Janitors & Custodians</i>
<i>Firefighters</i>	<i>Special Educ. Teachers</i>	<i>Pest Control</i>
<i>Guards</i>	<i>Teacher Aide</i>	<i>Refuse Collector</i>
<i>Police, Detectives & Special Agents</i>	<i>Chefs & Cooks</i>	<i>Service Station Attendant</i>
<i>Clergy</i>	<i>Food & Beverage Service</i>	<i>Upholsterers</i>
<i>Minister, Rabbi, Priest</i>	<i>Meat Cutter</i>	<i>Aircraft Pilot</i>
<i>Religious Worker</i>	<i>Human Services Worker</i>	<i>Air Traffic Controller</i>
<i>Adult Education Teachers</i>	<i>Marriage Counselor</i>	<i>Bus Drivers</i>
<i>Archivists & Curators</i>	<i>Social Workers</i>	<i>Rail Transportation</i>
<i>College Faculty</i>	<i>Social Service Aide</i>	<i>Truck Drivers</i>
<i>Counselors</i>	<i>Substance Abuse Counselor</i>	<i>Recreation Attendant</i>
<i>Kindergarten & Elementary Teachers</i>	<i>Vocational Rehab. Counselor</i>	<i>Recreation Worker</i>
<i>Librarians</i>	<i>Barbers & Cosmetologists</i>	<i>Psychologists</i>
	<i>Child Care Workers</i>	<i>Sociologists</i>
	<i>Flight Attendants</i>	



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.

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

The following classes will help students explore and prepare for careers in Industrial and Engineering Technology:

Drawing I & II	Basic Electricity	Chemistry
3D Design	Small Engine Repair	Pre AP/AP Chemistry
Computer Applications	Home Maintenance/Repair	Communications I
Advanced Computer Applications	Construction & Maintenance	Auto Body (CTC)
Desktop/Multimedia	Computer Composition	Automotive Tech. (CTC)
General Metals	Algebra II	Building Trades (CTC)
Metals Technology	Geometry	Drafting/CAD Graphics (CTC)
General Woodworking I & II	Trigonometry	Electronics (CTC)
Advanced Woodworking	Advanced Algebra	Computer Support Specialists (CTC)
Drafting Fundamentals	Pre-AP/AP Calculus	All Summit Tech Courses
CAD I & II	Music Appreciation	Introduction to Engineering
Mechanical Drawing I & II	Applied Bio-Chem Tech	Principles of Engineering
Aerospace Science	Video Technology	Digital Electronics
	Video Production	

Occupations in this career path may include:

<i>Aerospace Engineers</i>	<i>Industrial Machinery Repair</i>	<i>Electricians</i>
<i>Chemical Engineers</i>	<i>Line Installers/Cable Splicers</i>	<i>Engineering Technician</i>
<i>Civil Engineers</i>	<i>Musical Equipment Repair</i>	<i>Forklift Operator</i>
<i>Electrical Engineers</i>	<i>Robotics Technician</i>	<i>Glaziers</i>
<i>Industrial Engineers</i>	<i>Small Engine Mechanics</i>	<i>Highway Maint. Worker</i>
<i>Mechanical Engineers</i>	<i>TV & Radio Repair</i>	<i>Insulation Workers</i>
<i>Nuclear Engineers</i>	<i>Vending Machine Services</i>	<i>Painters & Paperhangers</i>
<i>Petroleum Engineers</i>	<i>Boilermakers</i>	<i>Plasters</i>
<i>Aircraft Mechanics</i>	<i>Machinists</i>	<i>Plumber & Pipefitters</i>
<i>Alarm System Installer</i>	<i>Tool & Die Makers</i>	<i>Roofers</i>
<i>Automotive Body Repair</i>	<i>Welders</i>	<i>Sheetmetal Workers</i>
<i>Automotive Mechanics</i>	<i>Printing Press Operators</i>	<i>Electric Power Generating Operators</i>
<i>Biomedical Technician</i>	<i>Bindery Workers</i>	<i>Stationary Engineers</i>
<i>Computer Service Tech.</i>	<i>Pre Press Worker</i>	<i>Water Treatment Plant Wrkrs</i>
<i>Diesel Mechanics</i>	<i>Bricklayers</i>	<i>Broadcast Technician</i>
<i>Electronic Equip. Repair</i>	<i>Bulldozer Operator</i>	<i>Drafting</i>
<i>Farm Equip. Mechanics</i>	<i>Carpenters</i>	<i>Engineering Technician</i>
<i>Heating/Air Condition. Repair</i>	<i>Carpet Installers</i>	



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

Career Clusters: Agriculture, Food & Natural Resources

The following classes will help students explore and prepare for careers in Natural Resources:

Drawing I & II	CAD I & II	Physics I/AP
Photography	Architectural Drawing	Chemistry I/Pre AP Chem/AP Chem
Introduction to Business	Basic Electricity	Pre AP Biology/AP Biology
Computer Applications	Mechanical Drawing I & II	Advanced & AP Environmental Science
Desktop/Multimedia Comm	Small Engine Repair & Home Maintenance & Repair	Microbiology
Intro to Culinary Art	Construction & Maintenance	Physiology
Culinary Skills I & II	Physical Fitness	Economics
General Metals	Computer Composition	Aerospace Science
General Wood	Technical Geometry	Contemporary Issues
Drafting Fundamentals	Swimming	Communications I
Bio-Science Technologies (STA)	Applied Bio-Chem Tech	Drafting/CAD Graphics (CTC)
Agriculture Science I & II	Horticulture (CTC)	
Animal Science	Principles of Tech/STA	
	Landscape and Design	

Occupations in this career path may include:

<i>Agricultural Scientists</i>	<i>Physicists & Astronomers</i>
<i>Animal Caretaker</i>	<i>Agriculture Engineer</i>
<i>Biological Scientists</i>	<i>Coop. Extension Service</i>
<i>Foresters & Conservationists</i>	<i>Farm Operators & Managers</i>
<i>Veterinarian</i>	<i>Farm Worker</i>
<i>Vet Laboratory Assistant</i>	<i>Fish & Game Warden</i>
<i>Chemists</i>	<i>Gardener/Groundskeeper</i>
<i>Geologists & Geophysicists</i>	<i>Landscape Architect</i>
<i>Meteorologists</i>	<i>Nursery Worker</i>
<i>Horticulturists</i>	

**LISTING OF COURSES
FOR ENROLLMENT PURPOSES**

FINAL COURSE OFFERINGS ARE DEPENDENT ON ENROLLMENT AND STAFF.

		PREREQUISITES	UNITS OF CREDIT	GRADE LEVEL
ART (Fine Arts Credit)				
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. 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 art class	1/2	10-12
0780	Ceramics II	Ceramics I, C+ Grade	1/2	10-12
0781	Fibers	Design Fund C+ Grade + Addl. art class	1/2	10-12
0782	Portfolio I	Design Fund, 2 Art Classes, Teacher Recom	1/2	11-12
0783	Portfolio II	Portfolio I	1/2	11-12
BUSINESS, MARKETING & TECHNOLOGY (Practical Art Credit)				
0911	Introduction to Business		1/2	9
0916	Computer Applications (1 st Semester)		1/2	9-12
0917	Computer Applications (2 nd Semester)		1/2	9-12
0918	Advanced Computer Applications	Computer Applications	1/2	10-12
0960	Advanced Computer Applications (2 nd Sem.)	Computer Applications	1/2	9
0925	Beginning C++ Programming		1/2	10-12
0953	AP Computer Science	C++	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

PREREQUISITES			UNITS OF CREDIT	GRADE LEVEL
BUSINESS & TECHNOLOGY (Practical Art Credit)(continued)				
0930	Business & Personal Law		1/2	11-12
0934	Business Technology	MCC Guidelines	1	12
0936	Supervised Business Experience	Must be enrolled in Business Tech	1	12
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 st 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	11-12
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
COMMUNICATION ARTS				
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
0138	English IV	English III or American Lit & Comp	1	12
0140	AP English	English III or American Lit	1	12
0186	English Comp 110	3.0 GPA & UMKC requirements	1/2	11-12
0187	English 214	English Comp 110, GPA 3.0 & UMKC approval	1/2	11-12
0189	Modern NonFiction		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

		PREREQUISITES	UNITS OF CREDIT	GRADE LEVEL
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 (BSSH)		1/2	9-11
0169	Photojournalism I	Journalism I & teacher approval	1	10-11
0166	Newspaper I	Rec: Journ. I/B in previous English class	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
FAMILY & CONSUMER SCIENCES (Practical Arts Credit)				
1110	Intro to Family & Consumer Sciences		1/2	9
1153	Nutrition & Wellness		1/2	9
1112	Introduction to Culinary Arts (1 st Sem.)		1/2	10-12
1113	Introduction to Culinary Arts (2 nd Sem.)		1/2	10-12
1114	Culinary Skills I (1 st Sem.)	Intro to Culinary Arts	1/2	10-12
1115	Culinary Skills I (2 nd 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 st Semester)		1/2	9-12
1117	Child Development (2 nd Semester)		1/2	9-12
1118	Child Care & Guidance (1 st Semester)	Child Development	1/2	10-12
1119	Child Care & Guidance (2 nd Semester)	Child Development	1/2	10-12
1120	Advanced Child Care	Child Care & Guidance	1/2	11-12
1121	Clothing I		1/2	10-12
1122	Clothing II	Clothing I	1/2	10-12
1128	Housing & Home Furnishings		1/2	10-12
1130	Family Relations		1/2	11-12

		PREREQUISITES	UNITS OF CREDIT	GRADE LEVEL
FOREIGN LANGUAGE				
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
0650	German III	German II	1	10-12
0654	AP German	German III or teacher recommendation	1	11-12
0660	Chinese I		1	10-12
0661	Chinese II	Chinese I	1	10-12
0662	Chinese III	Chinese II	1	11-12
INDUSTRIAL/TECHNICAL EDUCATION (Practical Arts Credit)				
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

		PREREQUISITES	UNITS OF CREDIT	GRADE LEVEL
INDUSTRIAL/TECHNICAL EDUCATION (continued)				
1032	Construction Technology		3	11-12
1033	Construction Technology Internship	Construction Technology	1	12
MATHEMATICS				
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 or both Alg. A & Alg. B	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 st Sem. Alg. II w/teacher recommend	1/2	11-12
0352	College Statistics	Alg II + qualifying score on MAP, 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 MAP, 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 (Year)	Qualifying score on MAP, PLAN, ACT, or COMPASS & successful completion of Alg. II or Pre Calc, 3.0 GPA	1	11-12
0360	College Algebra (Semester)	Qualifying score on MAP, 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 MAP, PLAN, ACT, or COMPASS & successful completion of Coll. Alg. (Math 120), 3.0 G.P.A.	1/2	11-12

		PREREQUISITES	UNITS OF CREDIT	GRADE LEVEL
MUSIC (Fine Arts Credit)				
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 st 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

		PREREQUISITES	UNITS OF CREDIT	GRADE LEVEL
MUSIC (Fine Arts Credit) (Continued)				
0826	Freshman Choir Women's (BSSHHS)	Teacher recommendation/audition	1	9
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	12
PHYSICAL EDUCATION				
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 st sem. (only BSHS)	Advanced Swimming or Test Out	1/2	11-12
1238	Water Safety Instructor – 2 nd 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
ROTC (Elective Credit)				
1550	A Journey Into Aerospace History (Aerospace 100) (BSHS)		1	9-12
1551	A Journey Into Aerospace History (Aerospace 100 BSSHHS)		1	9-12
1552	The Science of Flight (Aerospace 210)	Aerospace 100/Sophomore Status	1	10-12

PREREQUISITES			UNITS OF CREDIT	GRADE LEVEL
ROTC (Elective Credit)(continued)				
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 and Aerospace 300	1	12
1558	Management of the Cadet (Aerospace 400)	Aerospace I, II, III and approval of Aerospace instructor and UCM guidelines	1	12
SCIENCE				
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

PREREQUISITES			UNITS OF CREDIT	GRADE LEVEL
SCIENCE (continued)				
0450	Physics	Algebra & Geometry	1	10-12
0452	AP Physics		1	11-12
SOCIAL STUDIES				
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
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
SPEECH/DEBATE/DRAMA				
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 st Semester only BSHS)		1/2	9-12

		PREREQUISITES	UNITS OF CREDIT	GRADE LEVEL
SPEECH/DEBATE/DRAMA (continued)				
0517	Forensics (1 st Semester only BSSHHS)		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 or teacher permission	1/2	10-12
0532	Advanced Theatre Study	Theatre Study & teacher approval	1/2	11-12
0536	Stage Design & Theatre Technology	Intro to Theatre or consent of teacher	1/2	10-12
0538	Introduction to Directing	Adv. Theatre Study & teacher approval	1	12
OTHER ELECTIVES			1/2	11-12
1555	ACT Prep Class	Geometry or Tech Geometry	1/2	10-12
1517	Cadet Exploratory Teaching (1 st Sem. BSSHHS only, 2 nd Sem. BSHS only)		1/2	12
1518	Peer Assistants (BSHS only)		1/2	12
1514	Leadership	Member of Senate	1	11-12
1524	American Sign Language (BSSHHS 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
CAREER-TECHNICAL PROGRAMS ON CAMPUS				
Agriculture				
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 st Sem only	Ag Sci II or instructor approval	1/2	11-12
6680	Animal Science – Animal Care Assistant 2 nd Sem only	Ag Sci II or instructor approval	1/2	11-12

Agriculture (continued)		PREREQUISITES	UNITS OF CREDIT	GRADE LEVEL
6681	Horticulture 1 st Sem only	Ag Sci II or instructor approval	1/2	11-12
6682	Landscaping, Maintenance & Design 2 nd Sem only	Ag Sci II or instructor approval	1/2	11-12
Biomedical				
6695	Principles of Biomedical		1	9
6696	Human Body Systems	Principles of Biomedical	1	10
Engineering				
6690	Introduction to Engineering Design	Recommended – Algebra I	1	9
6691	Principles of Engineering	Recommended - Algebra I	1	10-12
6693	Digital Electronics	POE	1	11-12
Nail Tech				
6661	Nail Tech (A.M.)	Application Process Approval	3	12
6662	Nail Tech (P.M.)	Application Process Approval	3	12
OFF CAMPUS EDUCATIONAL OPPORTUNITIES				
OFF CAMPUS EDUCATIONAL OPPORTUNITIES CTC Ft. Osage CTC Application Required				
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
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
1630	Electronics Technology A.M.	CTC Application process	3	11-12

CTC (continued)		PREREQUISITES	UNITS OF CREDIT	GRADE LEVEL
1632	Electronics Technology 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
1646	Information Technology A.M.	CTC Application process	3	11-12
1648	Information Technology P.M.	CTC Application process	3	11-12
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
1668	Landscaping & Greenhouse Operations A.M.		3	11-12
1670	Landscaping & Greenhouse Operations P.M.	CTC Application process	3	11-12
1689	Entrepreneurial Studies A.M.	CTC Application process	3	12
1690	Entrepreneurial Studies P.M.	CTC Application process	3	12
	SUMMIT TECHNOLOGY ACADEMY	Summit Application Required		
1693	Engineering Design and Development A.M.	See course description	2.5	12
1694	Engineering Design and Development P.M.	See course description	2.5	12
1685	IT Essentials A.M. (1 st Semester)	See course description	1.25	11-12
1686	IT Essentials A.M. (2 nd Semester)	See course description	1.25	11-12
1691	Network Essentials A.M. (1 st Semester)	See course description	1.25	11-12
1692	Network Essentials A.M. (2 nd Semester)	See course description	1.25	11-12

Summit Tech (continued)		PREREQUISITES	UNITS OF CREDIT	GRADE LEVEL
1696	Advanced Networking Admin. P.M.	See course description	2.5	12
1705	Digital Media Tech A.M.	See course description	2.5	11-12
1706	Digital Media Tech P.M.	See courses description	2.5	11-12
1687	Principles of Biomedical/Body Systems A.M.	See course description	2.5	11-12
1688	Principles of Biomedical/Body Systems P.M.	See course description	2.5	11-12
6671	Pre-Nursing Program A.M.	See course description	2.5	12
6669	Pre-Nursing Program PM	See course description	2.5	12
6700	International Studies A.M.	See course description	2.5	12
6701	International Studies P.M.	See course description	2.5	12
NON-CREDIT				
9910	Study Hall (1 st Semester)		0	11-12
9911	Study Hall (2 nd Semester)		0	11-12

CURRICULAR OFFERINGS by DEPARTMENT

If a course has two numbers listed, the first number refers to 1st semester & the second number refers to the 2nd semester. **FINAL COURSE OFFERINGS ARE DEPENDENT ON ENROLLMENT AND STAFF.** For a complete listing of courses for enrollment purposes, please refer to pages 26 - 38.

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

Prerequisite: Design Fundamentals

COURSE #: 0752

CREDITS: ½ Unit

TYPE OF CREDIT: Fine Art

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

Prerequisite: Drawing I, C+ Grade

COURSE #: 0753

CREDITS: ½ Unit

TYPE OF CREDIT: Fine Art

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

COURSE #: 0754

GRADES: 10-12**CREDITS: ½ Unit****Prerequisite:** Design Fundamentals, Drawing I, C+ Grade**TYPE OF CREDIT: Fine Art**

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**COURSE #: 0755****GRADES: 10-12****CREDITS: ½ Unit****Prerequisite:** Painting I, C+ Grade**TYPE OF CREDIT: Fine Art**

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.

PHOTO I**COURSE #: 0756****GRADES: 10-12****CREDITS: ½ Unit****Prerequisite:** Design Fundamentals & additional art class, C+ Grade**TYPE OF CREDIT: Fine Art**

Course Description: Photo I is a basic course in 35mm photography that includes photo history, basic camera functions, photo-taking techniques, subject selection, composition, evaluation and basic darkroom procedures. Photo I will include film developing, chemical mixing and photo enlargement. Students will need their own 35mm Single Lens Reflex camera, and additional supplies.

PHOTO II**COURSE #: 0757****GRADES: 10-12****CREDITS: ½ unit****Prerequisite:** Photo I, C+ Grade**TYPE OF CREDIT: Fine Art**

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 will need their own 35mm Single Lens Reflex camera and additional supplies.

3D DESIGN**COURSE #: 0758****GRADES: 10-12****CREDITS: ½ Unit****Prerequisite:** Design Fundamentals**TYPE OF CREDIT: Fine Art**

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.

CERAMICS I**COURSE #: 0759****GRADES: 10-12****CREDITS: ½ Unit****Prerequisite:** Design Fundamentals + one additional art class**TYPE OF CREDIT: Fine Art**

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.

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 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**

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

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.

COMPUTER APPLICATIONS
GRADES: 9-12

COURSE #: 0916 (1st semester) and 0917 (2nd 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.

ADVANCED COMPUTER
APPLICATIONS
GRADES: 9-12

COURSE #: 0918 (0960 2nd Sem. 9th 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, digital and sound enhancement, 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.

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.

AP COMPUTER SCIENCE ***GRADES: 11-12****Prerequisite: C++****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 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.

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.

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, audio/video mixers and other broadcast equipment by producing a weekly news show.

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.**

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.

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.

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 8th semester attendance option.

ACCOUNTING I

GRADES: 10-12

COURSE #: 0944

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.

ACCOUNTING PRINCIPLES I*

GRADES: 11-12

COURSE #: 0946

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.

PERSONAL FINANCE

GRADES: 12

COURSE #: 1503

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.

PERSONAL FINANCE (1st Sem. Only)
GRADES: 12

COURSE #: 1504
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: 11-12

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. Credit in this course makes the students eligible to apply for enrollment in Marketing II and Marketing Internship during their senior year.

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*

COURSE #: 0956

GRADES: 11-12

CREDITS: 1 Unit

Prerequisite: Marketing I with a grade of C or better

TYPES OF CREDIT: Practical Art

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.

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 8th 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.

COMMUNICATION ARTS

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 to their writing. They will write personal experience and analytical essays and will be asked on their literature exams to make some essay responses. 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 8th 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 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

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 American Literature

TYPE OF CREDIT: English

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, will enhance their abilities to recognize the use of various literary elements, and will discuss major themes in American literature. Students will write essay responses and improve their library and research skills.

AMERICAN LITERATURE & COMPOSITION
GRADES: 11

COURSE #: 0122
CREDITS: 1 Unit

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

TYPE OF CREDIT: English

Recommendation: Grade of "B" or above

Course Description: Students who wish to pursue an accelerated, in-depth approach to skills development in composition, research, analysis, problem solving, and critical thinking should consider enrolling in this course. This course involves a review of the structure of English and of usage skills in preparation for the ACT. Students will enhance their skills in drawing inferences from their reading, in recognizing the use of various literary elements, and in understanding the significance of these elements in the American literature selections studied. Students will also write essay responses and improve their library and research skills. American Lit & Comp credit fulfills the third unit of English required for graduation. It is recommended that students who intend to enroll in a college-credit English course their senior year take American Literature and Composition as preparation for these advanced-level senior courses.

ENGLISH IV
GRADES: 12

COURSE #: 0138
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*
GRADES: 12

COURSE #: 0140
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*

GRADES: 11 & 12

Prerequisite: 3.0 GPA & UMKC application approval requirements

11th grade students enrolling in this class must still be enrolled in English III or American Lit & Comp.

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*

GRADES: 11 & 12

Prerequisite: English Composition 110 (College Credit), 3.0 GPA and UMKC approval

11th grade students enrolling in this class must still be enrolled in English III or American Lit & Comp.

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

GRADES: 12

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.

COURSE #: 0189

CREDITS: ½ Unit

TYPE OF CREDIT: English Elective

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**COURSE #: 1530****GRADES: 11-12****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: 10-11

COURSE #: 0169
CREDITS: 1 Unit
TYPE OF CREDIT: Elective

Prerequisite: Journalism I and teacher approval

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

Recommendation: A "B" average in previous English course is recommended and Journalism **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
GRADES: 11-12

COURSE #: 0170
CREDITS: 1 Unit
TYPE OF CREDIT: Elective, Practical Arts

Prerequisite: Newspaper I or Journalism I, and Newspaper teacher's approval.

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

GRADES: 10-12

Prerequisite: Journalism I

COURSE #: 0176

CREDITS: 1 Unit

TYPE OF CREDIT: Elective, Practical Arts

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 production on the Macintosh computers and will be assigned articles for the yearbook publication. This course will prepare the student for entrance into advanced yearbook.

YEARBOOK II

GRADES: 11-12

Prerequisite: Journalism I, Yearbook I,
minimum of "B" in the previous English class and yearbook teacher approval

COURSE #: 0178

CREDITS: 1 Unit

TYPE OF CREDIT: Elective, Practical Arts

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 (1st sem.) & 1113 (2nd 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 (1st sem.) & 1115 (2nd sem.)
CREDITS: ½ Unit

Prerequisite: Intro to Culinary Arts

TYPE OF CREDIT: Practical Art

Course Description: This class is a continuation of Introduction to Culinary Arts with more in-depth study of nutrients and their functions, nutrition through the life cycle, food preparation techniques and culinary skills used in the restaurant industry. Topics include salads, 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**GRADES: 11-12****Prerequisites:** Culinary Skills I**COURSE #:1150****CREDITS: ½ Unit****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 meats, fish, poultry, stock, soups, sauces, candy making, deserts and food art 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 (1st sem.) & 1117 (2nd 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 family planning, teenage pregnancy, birth control, pregnancy, childbirth, prenatal and postnatal care of infants, basic needs and development patterns of children, effects of heredity and environment on personality development. Disabled children, child abuse, childhood diseases, and other related topics to the developing child will be discussed.

CHILD CARE & GUIDANCE**GRADES: 10-12****Prerequisite:** Child Development**COURSE #: 1118 (1st sem.) and 1119 (2nd 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.

ADVANCED CHILD CARE**COURSE #: 1120**

GRADES: 11-12**CREDITS: ½ Unit****Prerequisite:** Child Care 1118 or 1119**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.

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

Course Description: Students will learn to enhance their personal appearance by studying select clothing styles suited to their own body type. The class is designed as an introductory course for students who have little or no experience with sewing and pressing equipment and clothing construction. Students will select their own patterns, with approval, and sew garments to learn the basic sewing techniques. Up to \$50 may be spent over the semester for supplies for projects and garments students will take home. Students are encouraged to sign up for mailers provided by local businesses that offer discount coupons.

CLOTHING II**COURSE #: 1122****GRADES: 10-12****CREDITS: ½ Unit****Prerequisite:** Clothing I**TYPE OF CREDIT: Practical Art**

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

Course Description. Students will advance their sewing skills and knowledge of sewing by learning about the types of fabrics, and care and selection of clothes. Projects chosen will require a greater degree of difficulty than those chosen in Clothing I. They may include dresses, jackets, or simple suits. Students may spend from \$50 up, depending on projects selected. They are encouraged to sign up for mailers provided by local businesses that offer discount coupons.

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.

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.

FOREIGN LANGUAGE

(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
GRADES: 9-12

COURSE #: 0602
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.

FRENCH II
GRADES: 9-12

COURSE #: 0606
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.

FRENCH III
GRADES: 10-12

COURSE #: 0610
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.

**ADVANCED FRENCH LITERATURE,
COMPOSITION & CONVERSATION**
GRADES: 11-12

COURSE #: 0618
CREDITS: 1 Unit

Prerequisite: Successful completion of French III

TYPE OF CREDIT: Elective

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.

AP FRENCH*
GRADES: 11-12

COURSE #: 0614
CREDITS: 1 Unit

Prerequisite: Successful completion of French III or teacher recommendation

TYPE OF CREDIT: Elective

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.

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.

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.

**ADVANCED SPANISH LITERATURE,
COMPOSITION & CONVERSATION I****COURSE #: 0639****GRADES: 11-12****CREDITS: 1 Unit****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.

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.

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.

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.

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**COURSE #: 0650****GRADES: 10-12****CREDITS: 1 Unit****Prerequisite:** German II**TYPE OF CREDIT: Elective**

Course Description: This class continues the studies and skills acquired in German II. Expanded grammar, vocabulary and increased ability in reading, writing, and speaking will be emphasized. Students will be introduced to German literature.

AP GERMAN***COURSE #: 0654****GRADES: 11-12****CREDITS: 1 Unit****Prerequisite:** Successful completion of German III
or teacher recommendation**TYPE OF CREDIT: Elective**

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.

CHINESE I**COURSE #: 0660****GRADES: 10-12****CREDITS: 1 Unit****TYPE OF CREDIT: Elective**

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.

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****CHINESE III****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.

COURSE #: 0662**CREDITS: 1 Unit****TYPE OF CREDIT: Elective**

*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.

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

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

Prerequisite: General Metals

TYPE OF CREDIT: Practical Art

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

Prerequisite: General Woodworking I

TYPE OF CREDIT: Practical Art

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

Prerequisite: General Woodworking I
 and teacher approval

TYPE OF CREDIT: Practical Art

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

COURSE #: 1018

GRADES: 9-12**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
GRADES: 10-12

COURSE #: 1028
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
GRADES: 9-12

COURSE #: 1030
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.

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.

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 or both Algebra A and Algebra B

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**COURSE #: 0338**

GRADES: 10-12**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.**CREDITS: 1 Unit****TYPE OF CREDIT: Math****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 II
or completion of 1st 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 earned a proficient or advanced score on MAP in the subject area of dual credit or have earned the required scores on nationally standardized placement tests like the PLAN, ACT, or ASSET/COMPASS. 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 MAP, PLAN, ACT, or ASSET/COMPASS**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)***COURSE #: 0354****GRADES: 12****CREDITS: 1 Unit****Prerequisite:** Qualifying score on MAP, PLAN, ACT, or ASSET/COMPASS and successful completion of Pre-Calculus, College Algebra, or Algebra II and 3.0 GPA**TYPE OF CREDIT: Math****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.**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 (MATH 120) Year Long*****COURSE #: 0358****GRADES: 11-12****CREDITS: 1 Unit****Prerequisites:** Qualifying score on MAP, PLAN, ACT or ASSET/COMPASS and successful completion of Algebra II and/or Pre-Calculus, and 3.0 GPA**TYPE OF CREDIT: Math****Dual/Articulated Credit:** 3 hours for qualified students**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. 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 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:** Qualifying score on MAP, PLAN, ACT**TYPE OF CREDIT: Math**

or ASSET/COMPASS and successful completion of Algebra II and/or Pre-Calculus, 3.0 GPA

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:** Qualifying score on MAP, PLAN, ACT, or**TYPE OF CREDIT: Math**

ASSET/COMPASS and successful completion of semester course #0360 College Algebra (Math 120), and 3.0 GPA

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.

FRESHMAN BAND (BSHS)**COURSE #: 0810****GRADES: 9****CREDITS: 1 Unit****Prerequisite:** 2 years of band or audition**TYPE OF CREDIT: Fine Art**

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.

FRESHMAN BAND (BSSHS)**COURSE #: 0811****GRADES: 9****CREDITS: 1 Unit****Prerequisite:** 2 years of band or audition**TYPE OF CREDIT: Fine Art****See course information above.****CONCERT BAND (BSHS)****COURSE #: 0812****GRADES: 10-12****CREDITS: 1 Unit****Prerequisite:** 2 years of band or audition**TYPE OF CREDIT: Fine Art**

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 extra curricular 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.

CONCERT BAND (BSSHS)**COURSE #: 0813****GRADES: 10-12****CREDITS: 1 Unit****Prerequisite:** 2 years of band or audition**TYPE OF CREDIT: Fine Art****See course information above.****SYMPHONIC BAND (BSHS)****COURSE #: 0831.****GRADES: 10-12****CREDITS: 1 Unit****Prerequisite:** Membership by audition only**TYPE OF CREDIT: Fine Art**

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 2nd 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 extra curricular 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.

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 2nd 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 7th 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 #: 0816
CREDITS: ½ Unit
TYPE OF CREDIT: Fine Art

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.

CONCERT CHOIR (BSHS)
GRADES: 10-12

COURSE #: 0818
CREDITS: 1 Unit
TYPE OF CREDIT: Fine Art

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 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 (BSSH)
GRADES: 10-12

COURSE #: 0820
CREDITS: 1 Unit
TYPE OF CREDIT: Fine Art

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.

FRESHMAN CHOIR (MEN'S) (BSHS)
GRADES: 9

COURSE #: 0819
CREDITS: 1 Unit
TYPE OF CREDIT: Fine Art

Prerequisite: Students wishing to participate in this ensemble must be recommended by their 8th 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.

FRESHMAN CHOIR (MEN'S) (BSSH)
GRADES: 9

COURSE #: 0821
CREDITS: 1 Unit
TYPE OF CREDIT: Fine Art

Prerequisite: Students wishing to participate in this ensemble must be recommended by their 8th grade choir instructor or have permission to enroll from teacher of said choral ensemble
See previous course description.

A CAPPELLA CHOIR
GRADES: 11-12

COURSE #: 0822
CREDITS: 1 Unit
TYPE OF CREDIT: Fine Art

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 2nd 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.

WOMEN'S ENSEMBLE

COURSE #: 0823

GRADES: 11-12

CREDITS: 1 Unit

Prerequisite: Students must have been enrolled

TYPE OF CREDIT: Fine Art

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.

CHAMBER CHOIR

COURSE #: 0824

GRADES: 11-12

CREDITS: 1 Unit

Prerequisite: Students must have been enrolled

TYPE OF CREDIT: Fine Art

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.

FRESHMAN CHOIR (WOMEN'S) (BSHS)

COURSE #: 0825

GRADES: 9

CREDITS: 1 Unit

Prerequisite: Students wishing to

TYPE OF CREDIT: Fine Art

participate in this ensemble must be recommended by their 8th 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.

FRESHMAN CHOIR (WOMEN'S) (BSSHS)**GRADES: 9**

Prerequisite: Students wishing to participate in this ensemble must be recommended by their 8th 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 20th 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**

*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.

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)**COURSE #: 1210****GRADES: 9****CREDITS: 1/2 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)**COURSE #: 1212****GRADES: 9****CREDITS: 1/2 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)**COURSE #: 1214****GRADES: 10-12****CREDITS: 1/2 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)**COURSE #: 1216****GRADES: 10-12****CREDITS: 1/2 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**COURSE #: 1218****GRADES: 9****CREDITS: 1/2 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) (1st 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)(2nd Sem. Only) **COURSE #: 1238**

GRADES: 11-12

CREDITS: ½ Unit

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

TYPE OF CREDIT: Physical Education

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

COURSE#: 1236

GRADES: 10-12

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)

COURSE #: 1242

GRADES: 11-12

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)

COURSE #: 1244

GRADES: 10-12

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)

COURSE #: 1248

GRADES: 10-12

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

COURSE #: 1250

GRADES: 11-12

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.

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 I-IV 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) COURSE #: 1550 (BSHS)

GRADES: 9-12

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.

A JOURNEY INTO AEROSPACE HISTORY (Aerospace Science 100) COURSE #: 1551 (BSSHS)

GRADE: 9-12

CREDITS: 1 Unit

TYPE OF CREDIT: Elective

See course information above.

THE SCIENCE OF FLIGHT (Aerospace Science 210)

COURSE #: 1552

GRADES: 10-12

CREDITS: 1 Unit

Prerequisite: Aerospace I (or sophomore status) **TYPE OF CREDIT: Elective/3rd 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 I, 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 3rd year Science requirement.)**

DRILL AND CEREMONIES (AEROSPACE 150)

COURSE #: 1560

GRADES: 10-12

CREDITS: 1 Unit

Prerequisite: Aerospace Science 100 or Instructor's approval and concurrent enrollment in another Aerospace class

TYPE OF CREDIT: Elective

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.

THE EXPLORATION OF SPACE (AEROSPACE 300)

COURSE #: 1554

GRADES: 11-12

CREDITS: 1 Unit

Prerequisite: Aerospace 210 approval of the Senior Aerospace Science instructor

TYPE OF CREDIT: Elective/Personal Finance

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.

**FAA PRIVATE PILOT GROUND SCHOOL*
(AEROSPACE SCIENCE 500) (AVIA 1310)**

COURSE #: 1556

GRADES: 12

CREDITS: 1 Unit

Prerequisite: Aerospace II and III or Aerospace II, III and IV concurrently. Approval of the Senior Aerospace Instructor/UCM Guidelines.

TYPE OF CREDIT: Elective

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.

MANAGEMENT OF THE CADET CORPS (AEROSPACE SCIENCE 400) COURSE #: 1558

GRADES: 12

CREDITS: 1 Unit

Prerequisite: Aerospace Science I, II, III and the approval of the Senior Aerospace Science Instructor.

TYPE OF CREDIT: Elective

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.

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

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

COURSE #: 0412

GRADES: 9

CREDITS: ½ Unit Physical Science, ½ Unit Biological Science

TYPE OF CREDIT: Science

Recommendation: Grade of “A” Algebra and 8th 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*

COURSE #: 0426

GRADES: 11-12**CREDITS: 1 Unit****Prerequisite:** Biology I or Pre AP Biology**TYPE OF CREDIT: Science****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 organismic, 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**COURSE #: 0455****GRADES: 11-12****CREDITS: 1 Unit****Prerequisite:** Biology I or Pre-AP Biology**TYPE OF CREDIT: Science****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.

MICROBIOLOGY**COURSE #: 0454****GRADES: 11-12****CREDITS: ½ Unit****Prerequisite:** Biology I or Pre-AP Biology**TYPE OF CREDIT: Science**

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.

CHEMISTRY I**COURSE #: 0434****GRADES: 10-12****CREDITS: 1 Unit****Prerequisite:** Geometry or concurrently enrolled in Geometry**TYPE OF CREDIT: Science****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.

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: 10-11****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*****GRADES:** 11-12**Prerequisites:** “Biology I or Pre-AP Biology**Recommendation:** Minimum grade of “B” in prerequisite course, and 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.

COURSE #: 0447**CREDITS:** 1 Unit**TYPE OF CREDIT:** Science**PHYSICS****GRADES:** 10-12**Prerequisites:** Algebra and Geometry**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.

COURSE #: 0450**CREDITS:** 1 Unit**TYPE OF CREDIT:** Science

AP PHYSICS***GRADES: 11-12****Recommendation:** Minimum grade of "B" in Algebra II and/or Physics**COURSE #: 0452****CREDITS: 1 Unit****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.

*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.

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

Recommendation: A grade of "A" in 8th grade English & Social Studies
TYPE OF CREDIT: 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's 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***COURSE #: 0238****GRADES: 10-12****CREDITS: 1 Unit****Recommendation:** Recommendation from the most recent history teacher**TYPE OF CREDIT: Social Studies.**

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 10th grade World History requirement. All students are expected to take the AP exam and pay the examination fee.

UNITED STATES HISTORY**COURSE #: 0205****GRADES: 11****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***COURSE #: 0281****GRADES: 10-12****CREDITS: ½ Unit****Recommendation:** Recommendation from the most recent history teacher**TYPE OF CREDIT: Social Studies**

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***COURSE #: 0266****GRADES: 11-12****CREDITS: 1 Unit****Recommendation:** Recommendation from the most recent history teacher**TYPE OF CREDIT: Social Studies**

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 11th 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*

COURSE #: 0286

GRADES: 11-12

CREDITS: ½ Unit

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

TYPE OF CREDIT: Social Studies

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*

COURSE #: 0287

GRADES: 11-12

CREDITS: ½ Unit

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

TYPE OF CREDIT: Social Studies

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.

CIVIL WAR

COURSE #: 0251

GRADES: 10-12

CREDITS: ½ Unit

TYPE OF CREDIT: Social Studies

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.

WORLD WAR II
GRADES: 11-12

Prerequisite: World History

Course Description: This course covers one of the most important events of the 20th 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, 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.

COURSE #: 0290
CREDITS: ½ Unit

TYPE OF CREDIT: Social Studies

ECONOMICS
GRADES: 11-12

Course Description: This course will examine both micro and macro economic 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.

COURSE #: 0271
CREDITS: ½ Unit

TYPE OF CREDIT: Social Studies

CONTEMPORARY ISSUES
GRADES: 10-12

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.

COURSE #: 0275
CREDITS: ½ Unit

TYPE OF CREDIT: Social Studies

PSYCHOLOGY
GRADES: 12

COURSE #: 0283
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
GRADES: 11-12

COURSE #: 0288
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
GRADES: 11-12

COURSE #: 0291
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.

*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.

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/Communication Arts requirement for graduation.**

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 oratorics 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/Communication Arts requirement for graduation.

DEBATE I (BSSHS)
GRADES: 9-12

COURSE #: 0509
CREDITS: 1 Unit

TYPE OF CREDIT: Speech/Communication Art

See course information above.

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/Communication Arts requirement for graduation.**

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/Communication Arts requirement for graduation.

DEBATE IV – ARGUMENTATION AND DEBATE (Com 212)* **COURSE #: 0514**

GRADES: 12

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/Communication Arts requirement for graduation.

FORENSICS I (1st 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 (1st Semester only) (BSSH)

COURSE #: 0517

GRADES: 9-12

CREDITS: ½ Unit

TYPE OF CREDIT: Fine Art

See course information above.

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 **COURSE #: 0522**
GRADES: 9-12 **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 **COURSE #: 0530**
GRADES: 10-12 **CREDITS: ½ Unit**
Prerequisite: Introduction to Theatre or teacher permission **TYPE OF CREDIT: Fine Art**
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 **COURSE #: 0532**
GRADES: 11-12 **CREDITS: ½ Unit**
Prerequisite: Theatre Study and teacher approval **TYPE OF CREDIT: Fine Art**
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 **COURSE #: 0536**
GRADES: 10-12 **CREDITS: ½ Unit**
Prerequisite: Introduction to Theatre or teacher permission **TYPE OF CREDIT: Elective**
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****Prerequisite:** Advanced Theatre Study and teacher permission**COURSE #: 0538****CREDITS: 1 Unit****TYPE OF CREDIT: Elective****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.

*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.

OTHER NON-DEPARTMENTAL ELECTIVES

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 4th year English course at some colleges and universities.

CAREER FOCUS PROGRAMS

Agriculture

AGRICULTURE SCIENCE I (Freshman Center only)

COURSE #: 6675

GRADES: 9

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

COURSE #: 6676

GRADES: 10-12

CREDITS: 1 Unit

Recommendation: Ag Science I or

TYPE OF CREDIT: Practical Art/Elective

Instructor approval

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) – 1st Sem only

COURSE #: 6679

GRADES: 11-12

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 – 2nd Sem only****COURSE #: 6680****CREDITS: 1/2 Unit****GRADES: 11-12****TYPE OF CREDIT: Practical Art/Elective****Prerequisite:** Ag Science II or Instructor approval

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 (1st Sem only)**GRADES: 11-12****COURSE #: 6681****CREDITS: 1/2 Unit****Prerequisite:** Ag Science II or Instructor approval**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 (2nd Sem only)**GRADES: 11-12****COURSE #: 6682****CREDITS: 1/2 Unit****Prerequisite:** Ag Science II or Instructor approval**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****GRADES: 9****COURSE #: 6695****CREDIT: 1 Unit****TYPE OF CREDIT: Elective**

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

HUMAN BODY SYSTEMS**GRADES: 10****Prerequisite:** Principles of Biomedical Sciences**COURSE #:6696****CREDIT: 1 Unit****TYPE OF CREDIT: 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. Using real-world cases, students take the role of biomedical professionals and work together to solve medical mysteries. Hands-on 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.

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.

INTRODUCTION TO ENGINEERING DESIGN**GRADES: 9****Recommendation:** Algebra I**COURSE #: 6690****CREDITS: 1 Unit****TYPE OF CREDIT: Elective/Practical Art**

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**GRADES: 10-12****Recommendation:** Completion of Algebra 1**COURSE #: 6691****CREDITS: 1 Unit****TYPE OF CREDIT: Practical Art/Elective**

Course Description: This course helps students explore various technology systems and manufacturing processes. 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**GRADES: 11-12****Prerequisite:** Principles of Engineering**COURSE #: 6693****CREDITS: 1 Unit****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.

Nail Tech

NAIL TECH A.M. (Located at Hall-McCarter Education Center)**GRADES: 12****Prerequisite:** Application process**COURSE #: 6661****CREDITS: 3 Units****TYPE OF CREDIT: Practical Art/Elective**

Course Description: This is a 520 hour 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 520 hour 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

Course Description: This is a 520 hour 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 520 hour course, students will be able to take the State Board Exam and after passing, will be a licensed “nail technician”.

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!***

**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 (¾) 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.

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.

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.

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

See previous course description.

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.

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.

ELECTRONICS TECHNOLOGY A.M. 1630 (3 Units, Gr. 11–12, 4 Sems.) (2 year program)

First year seniors considered with available space.

Course Description: The Electronics field is one of the fastest growing career fields today. It includes such careers as robotics, computers, communications, audio/video processing, fiber optics, and lasers. Electronics I is a basic course covering the fundamentals of electricity and electronics with soldering techniques, DC and AC circuits, semiconductor devices, and troubleshooting home entertainment and electronic products and systems. Electronics II begins with digital electronics and moves into robotics, laser technology, micro-processors, and communications.

ELECTRONICS TECHNOLOGY P.M. 1632 (3 Units, Gr. 11–12, 4 Sems.) (2 year program)

See previous course description.

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.

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

See previous course description.

INFORMATION TECHNOLOGY A.M. 1646 (3 Units, Gr. 11–12, 4 Sems.) (2 year program)

First year seniors considered with available space. **Six (6) hours of dual or articulated credit are available through Blue River Community College (MCC) if the college's criteria are met.**

Course Description: Students gain skills for careers in business and information technology areas. They also learn to use more than twenty-five (25) software packages, including multi-media software, and learn to build web pages. **Successful students are ready to take the MOUS (Microsoft Office User Specialist) exam which is highly regarded in business.**

INFORMATION TECHNOLOGY P.M. 1648 (3 Units, Gr. 11–12, 4 Sems.) (2 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.**

Prerequisite: Computer Support Services I (Students without Computer Support I may test into this class with prior computer experience.)

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.**

LANDSCAPING AND GREENHOUSE OPERATIONS A.M. 1668 (3 Units, Gr. 11–12, 4 Sems.) First year seniors considered with available space. **Up to twelve (12) hours of articulated college credit available through MCC if college's criteria are met. This program may fulfill the third science requirement if student applies for it with the counselor at the student's high school at the beginning of the school year.**

Course Description: Students learn basic plant science, soil preparation, landscaping, floral design, pest and disease control, and harvesting using state-of-the-art equipment in a modern greenhouse. Second year students study advanced topics such as plant maintenance, entomology, landscape design, turf management, and greenhouse use.

LANDSCAPING AND GREENHOUSE OPERATIONS P.M. 1670 (3 Units, Gr. 11–12, 4 Sems.)

See previous course description.

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.

ENTREPRENEURIAL STUDIES P.M. 1690 (3 Units, Gr. 12, 2 Sems.) (1 year program)

See previous course description.

SUMMIT TECHNOLOGY ACADEMY

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 2009-10 School Year

SUMMIT TECHNOLOGY ACADEMY

**SUMMIT TECHNOLOGY COURSES ARE OFFERED AS A DAILY 2 HOUR AND 5 MINUTE BLOCK AT THE
Summit Technology Academy in Lee's Summit**

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

Independent Study Project-Students enrolled at STA will receive 2.5 units of credit upon successful completion of a full year course. Each student can choose to enroll for an additional .5 credit upon completion of a teacher approved independent study project for a total of 3 units of credit earned. The .5 credit is not issued until the end of the semester with the successful completion of the course.

ENGINEERING DESIGN AND DEVELOPMENT

COURSE #: 1693 A.M.
1694 P.M.
CREDITS: 2.5 Units

GRADE: 12

An additional .5 credit will be issued upon completion of an independent study project.

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 2 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: Chemistry; Industrial Technology.

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. During the fall semester the students work on an open-ended EDD problem that 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*

COURSE #: 1685 A.M. 1ST SEM
1686 A.M. 2ND SEM
CREDITS: 1.25 Units

GRADES: 11-12

Additional .25 credits: Issued upon completion of an independent study project.

Dual Credit: 9 hours at Metropolitan Community College—CSIS 110, 111, 151 (eligible students)*

PREREQUISITE: GPA: 2.0 cumulative or better; Attendance: 90% or better; Math: Algebra I, C or better; Reading/Writing: 10th grade level; Other requirement: Keyboarding, minimum 30 WPM.

Recommended: Algebra II; Home Internet access.

Students learn the functionality of hardware and software components, as well as, best practices in maintenance and safety issues. The students, through hands-on activities and labs, learn to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. Students will also be introduced to the fundamentals of programming. This course helps students prepare for the CompTIA A+ certification. This course is currently taught as part of our Cisco Networking Academy and will utilize online curriculum (IT Essentials I: PC Hardware and Software) provided by Cisco Systems.

NETWORKING ESSENTIALS*

COURSE #: 1691 A.M. 1ST SEM
1692 A.M. 2ND SEM
CREDITS: 1.25 Unit

GRADES: 11-12

Additional .25 credits: Issued upon completion of an independent study project.

Dual Credit: 6 hours at Metropolitan Community College—CSIS 161, 170 (eligible students)*

PREREQUISITE: GPA: 2.0 cumulative or better; Attendance: 90% or better; Math: Algebra I, C or better; Reading/Writing: 10th grade level; Other requirement: Keyboarding, minimum 30 WPM.

Recommended: Minimum grade of C in IT Essentials; Algebra II; Home Internet access.

This course is an intensive introduction to computer networking, as well as, multi-user, multitasking network operating systems. Students will explore a variety of topics including installation, configuration and troubleshooting basic networking hardware, protocols and services. Students will also be introduced to programming for networks. This course helps students prepare for the CompTIA Network+ certification. This course is currently taught as part of our Cisco Networking Academy and will utilize online curriculum (CCNA Discovery) provided by Cisco Systems. This course is essential for students wishing to pursue the Advanced Network Administration/CISCO Academy course.

ADVANCED NETWORK ADMINISTRATION/CISCO ACADEMY

COURSE #: 1696 P.M.
CREDITS: 2.5 Units

GRADE: 12

Additional .5 credits: Issued upon completion of an independent study project.

Dual Credit: 16 hours at Metropolitan Community College—CSIS 112, 113, 212, 213 (eligible students)*

PREREQUISITE: Minimum grade of C in IT Essentials or Networking Essentials.

Students will acquire the skills necessary to select, connect, configure and troubleshoot various Cisco networking devices in a hands-on LAN/WAN networking environment. This course covers topics on extending switched networks with VLANs, determining IP routes, managing IP traffic with access lists (firewalls), establishing point-to-point connections, and establishing frame-relay connections. This course would be recommended for students with an interest in computer and network engineering, network design, and/or information technology (IT). The course is designed to prepare students for multiple national IT certifications, such as the Network+ and Cisco Certified Network Associate (CCNA).

DIGITAL MEDIA TECHNOLOGY*

COURSE #: 1705 A.M.
1706 P.M.
CREDITS: 2.5 Units

GRADES: 11-12

An additional .5 credits will be issued upon completion of an independent study project.

PREREQUISITE: GPA: 2.0 cumulative or better; Attendance: 90% or better; Math: Algebra I, C or better; Reading/Writing: 10th 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.

PRINCIPLES OF BIOMEDICAL SCIENCE/HUMAN BODY SYSTEMS

COURSE #: 1687 A.M.
1688 P.M.
CREDITS: 2.5 Units

GRADES: 11-12

An additional .5 credit will be issued upon completion of an independent study project.

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

PREREQUISITE: GPA: 2.0 cumulative or better; Attendance: 90% or better; Math: Algebra I, C or better; Reading/Writing: 10th grade level; Biology with a C or better; background check.

Recommended: Chemistry

This course provides an introduction to the biomedical sciences through exciting “hands-on” projects and problems. Student work involves the study of human medicine, research processes and an introduction to bio-informatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. For forensic science majors, a theme through the course is to determine the factors that led to the death of a fictional person. After determining the factors responsible for the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person’s life. Key medical concepts are imbedded in the curriculum along with community medical experiences. Engineering principles including: the design process, feedback loops, fluid dynamics, and the

relationship of structure to function of the human body are incorporated in the curriculum. Students will use the Lab-view software to design and build systems to monitor body functions. The course is designed to provide an overview of all the courses in the Biomedical Sciences program and to lay the scientific foundation necessary for student success in the medical field.

PRE-PROFESSIONAL NURSING*

COURSE #: 6671 A.M.
6669 P.M.

GRADE: 12

CREDITS: 2.5 Units

Independent Study Option: An additional .5 high school will be issued upon completion of an independent study project.

Dual Credit: Bio I 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: 10th 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

COURSE #: 6700 A.M.
6701 P.M.

GRADES: 11-12

CREDITS: 2.5 Units

Independent Study Option: An additional .5 high school credit will be issued upon completion of an independent study project.

PREREQUISITE: GPA 2.5 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 (2nd Semester)****Grades: 11 -12**

A student may not enroll in more than one study hall per semester. Counselor approval is required.

SUPPORTIVE SERVICES

Students who have been educationally diagnosed with a disability are provided supportive services. These students are served through an Individualized Education Program (IEP). Enrollment in courses is planned during the student's annual IEP review. If you have questions about any of the supportive services, please call your student's counselor.

GIFTED

At the 9th 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 8th grade STRETCH are automatically enrolled in 9th grade STRETCH.

SUMMER SCHOOL

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.