

**UNIVERSITY CITY HIGH SCHOOL  
CAREER AND EDUCATION  
PLANNING GUIDE**

**2016-2017**

**SCHOOL DISTRICT  
OF UNIVERSITY CITY**

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**TRANSFORM THE LIFE OF EVERY STUDENT EVERY DAY**

**Established 1911**

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# PREFACE

University City High School (UCHS) had designed the UCHS Career and Education Planning Guide to help parents and students choose the best possible program based on a student's aspirations once he/she has graduated from high school. The UCHS faculty has ensured that students have access to a well-rounded high school curriculum consisting of core courses in English language arts, mathematics, social studies and science, in addition to a second language, physical education, the arts and career and technical education. The faculty further ensures that the current curriculum offers both the substance and the practicality to prepare students for the future.

Course selection is a cooperative endeavor involving students, parents and counselors. Parents and students are expected read the entire UCHS Career and Education Planning Guide and jointly make decisions regarding course selection.

Please note that final course offerings may be determined based on a minimum of 15 students seeking enrollment in the course.

## TO THE STUDENT AND PARENTS

The UCHS Career and Education Planning Guide provides a brief description of material to be studied in each course. Because choosing the right courses often requires making difficult decisions, it is suggested students and parents follow the steps listed below:

- Before making course selections, the student should speak with a counselor about credits earned and discuss any concerns or questions in regards to their current course of study;
- Preview the entire UCHS Career and Education Planning Guide with particular attention to the Educational Development Plan, Graduation Requirements, and Preparing for Post University City High School; and
- Make course selections jointly that are academically appropriate for the student's course of study.

## FIVE-YEAR PLAN / COURSE SELECTION PROCEDURES

The UCHS Career and Education Planning Guide assists students and parents with registration for the upcoming school year and helps students develop a Five-Year Plan and choose a "Career Pathway," including four years of high school and the year following graduation. (See Five-Year Plan template.) UCHS urges students and their parents to read the course descriptions carefully to ensure the course relates to the student's educational and vocational objectives, interests, and abilities. Attention should be given to prerequisites (courses needed prior to a course being taken) and the grade level required for each course. The counseling department will explain the procedures for course selection and course registration. Students should give considerable thought to the selection process and are urged to seek assistance from parents, teachers, and school counselors in determining the courses that will best prepare them for their future educational and/or occupational goals.

Academic advisement should be an ongoing process with final course submission completed by the middle of January. Students will be able to review choices submitted and make course changes once schedules are distributed – usually by the end of February.

Students will work closely with their counselor to develop a "Career Pathway," which will provide an opportunity to develop, monitor, and manage an educational plan through a structured, systematic individual planning system. This process begins in eighth grade and is monitored by the school counselor.

Contact the Guidance Office with any questions or concerns.

## GRADUATION REQUIREMENTS

The requirements for graduation are as follows as established by the University City Board of Education in accordance with the Missouri Department of Elementary and Secondary Education:

SUBJECT AREA	CREDITS (Years)
English Language Arts	4
Mathematics	3
Science	3
Social Studies	3
Fine Arts	1
Practical Arts	1
Physical Education	1
Health Education	0.5
Personal Finance	0.5
Electives <i>General (4 Credits)</i> <i>Core (3 Credits in English language arts, mathematics, science and/or social studies)</i>	7
<b>TOTAL</b>	<b>24</b>

## PROMOTION REQUIREMENTS

Grade level is assigned upon completion of minimum credits.

- Freshman (9th grade) ..... 0-6 credits  
To be promoted to the high school, eighth graders are required to pass four of the following five required courses: communication arts, mathematics, social studies, science, and either foreign language or reading.
- Sophomore (10th grade)..... 6-12.5 credits  
Students must have six credits to be assigned sophomore classification.
- Junior (11th grade) ..... 12.5-18 credits  
Students must have twelve and one half credits to be assigned junior classification.
- Senior (12th grade)..... 18 + credits  
Students must have eighteen credits to be assigned senior classification.

## PLANNING FOR COLLEGE

Because many University City High School (UCHS) students elect to go on to college, there is an extraordinary amount of information about colleges available in the College and Career Resource Center. Open files, college catalogs, college/career information CDs, the Internet, and computer programs can help students learn about the opportunities available in post-secondary education. In addition, more than 100 college representatives visit UCHS throughout the year. Career counseling resources include various interest inventory tests, computer-guided career exploration, and assorted books and periodicals. Each junior will be given access to the Naviance program through the college resource office. This program allows students to submit their college applications online, as well as receive additional information about colleges in which they are interested. The counseling staff can help students define career possibilities and college choices relative to career goals. Financial aid and scholarship information is available for all students. Financial aid workshops are offered, usually in January.



## GUIDELINES FOR COLLEGE ADMISSIONS

These are general guidelines to help students with the college admissions process. Factors such as grade point average, school activities, college entrance test scores, and course of study are considered. Specialized schools may have different guidelines. Please consult a guidance counselor for more details.

REQUIREMENTS	TEST SCORES	EXAMPLES
<b>Open Admissions</b> 4 years English 3 years Math 3 years Science 3 years Social Studies	<b>Recommended Scores</b> ACT Composite 17-20 SAT (verbal & math) 830-950	Harris-Stowe State Univ. Jefferson College Lincoln University Mo. Western State Univ. North Central Mo. College St. Charles Community College St. Louis Community Colleges
<b>Liberal Admissions</b> Will accept students from lower 50% of class GPA of 2.0 or better 4 years of English 4 years of Math 3 years of Science 3 years of Social Studies 2 years of Foreign Language	<b>Recommended Scores</b> ACT Composite 18-21 SAT (verbal & math) 870-990	Univ. of Central Missouri Mo. Southern State Univ. Northwest Mo. State Univ. Southeast Missouri State Univ.
<b>Traditional Admissions</b> Top 50% of class GPA 2.5 or better 4 years English 4 years Math 3 years Science 3 years Social Studies 2 years Foreign Language	<b>Recommended Scores</b> ACT Composite 20-23 SAT (verbal & math) 950-1070	<b>In State</b> Missouri State University Missouri University of Science and Technology Univ. of Missouri - Columbia Univ. of Missouri - Kansas City Univ. of Missouri - St. Louis
<b>Selective Admissions*</b> Top 25% of class GPA 3.2+ 4 years English 4 years Math 4 years Science 4 years Social Studies 2-3 years Foreign Language 2 years Academic Electives	<b>Recommended Scores</b> ACT Composite 22-27 SAT (verbal & math) 1030-1220  <i>*Check with school of choice to determine if writing component is required for ACT and/or SAT.</i>	<b>In State</b> Truman State University  <b>Out of State</b> Drake University Brown College Duke Purdue
<b>Highly Selective Admissions*</b> Top 10% of class GPA 3.5+ 4 years English 4 years Math 4 years Science 4 years Social Studies 4 years Foreign Language 2 years Academic Electives	<b>Recommended Scores</b> ACT Composite 27-31 SAT (verbal & math) 1220-1600  <i>*Check with school of choice to determine if writing component is required for ACT and/or SAT.</i>	<b>In State</b> Washington University St. Louis University  <b>Out of State</b> Stanford University Harvard Princeton Yale

## **MIDDLE SCHOOL COURSES ON HIGH SCHOOL TRANSCRIPT**

Algebra, Geometry and Foreign Language Courses taken in Middle School will appear on a student's high school transcript for record-keeping purposes. Algebra and Geometry will appear as a credit towards graduation but will not be included in a student's GPA calculation. Foreign Language courses will appear on the transcript for reporting purposes only, but will not be included in credits toward graduation or GPA calculation.

## **COLLEGE BOUND**

College Bound provides promising high school students with the academic enrichment, social supports, and life skills needed to apply, enroll, and succeed in four-year colleges. The College Bound program begins in the spring of freshman year and select students remain in the program throughout high school and college. The program includes weekly sessions focused on college knowledge, financial literacy, career exploration, weekend study sessions at Washington University, summer programs on college campuses, ACT prep, assistance applying for financial aid, college tours, application assistance, internships, community service, cultural field trips, and support for students in college.

Prerequisites include 2.5+ cumulative GPA, entering sophomore or junior year and must be enrolled or willing to enroll in college prep courses.

## **MISSOURI CONNECTIONS (FRESHMEN & SOPHOMORES)**

<https://www.MissouriConnections.org>

Missouri Connections is a web-based resource to help Missouri citizens determine their career interests, explore occupations, establish education plans, develop job search strategies, and create resumé's. Sponsored by the Department of Elementary and Secondary Education and the Department of Economic Development, Missouri Connections is available to students, parents, guidance counselors, educators, and job seekers.

## **NAVIANCE/FAMILY CONNECTION (JUNIORS & SENIORS)**

<https://connection.naviance.com/univcityhs>

University City High School "Family Connection" website powered by NAVIANCE provides college and scholarship information to families. Through this secure website, families will be able to:

- View and edit personal profile and parent information;
- Indicate notable accomplishments;
- Complete the "Game Plan" survey to indicate post-graduation plans and college preferences;
- Indicate scholarships received and amounts;
- View and add to their college application list;
- Indicate interest levels in specific colleges;
- Check application deadlines for colleges;
- Update application information;
- View a list of the upcoming college visits;
- Register to meet with college representatives visiting UCHS;
- View a list of local scholarships received by UCHS (and download some applications);
- Review details on deadlines, maximum award, and requirements for each scholarship;
- Access a list of other web-based resources related to colleges and financial aid;
- Send an email to the guidance counselor;
- Investigate careers; and
- Contact the Guidance Office for registration information and access.

## GRADING

The grading scale is based on the goals, objectives, and skills to be achieved by students as developed by the staff members in each department. The basic grading scale is used for all reports and consists of grades as shown below.

Letter Grade	Numerical Grade	Grade Point Average	Meaning
A	90-100%	4.0	Outstanding achievement of the goals, objectives, and skills of course
B	80-89%	3.0	Very good achievement of the goals, objectives, and skills of course
C	70-79%	2.0	Satisfactory achievement of the goals, objectives, and skills of course
D	60-69%	1.0	Minimum achievement of the goals, objectives, and skills of the course
F	below 60%	0.0	Minimum achievement not met
CR	--	--	Satisfactory completion of course
NC	--	--	Unsatisfactory completion of course
I	--	--	Incomplete course; the student is given a set period of time to complete missing work.

## HONORS PLACEMENT

Honors classes engage students in active, high-level learning, thereby ensuring that students develop the skills, habits of mind, and strategies to succeed in Advanced Placement courses, and college. Honors courses offered at UCHS include:

- Honors Literature and Composition I
- Honors Literature and Composition II
- Honors Algebra I
- Honors Geometry
- Honors Chemistry
- Honors World History
- Honors U.S. History

## ADVANCED PLACEMENT PROGRAM

Advanced Placement (AP) courses follow a national curriculum provided by The College Board, the publishers of the SAT college entrance exam. These courses give students the opportunity to earn college credit while still in high school. Each May, AP exams are offered to students as they complete their coursework. Students earning a minimum score on the exam will receive either elective credit or course replacement credit, depending on the college or university policy. Parents and students are encouraged to review these policies on the college website for the colleges in consideration. These are college-level courses that reflect a student's willingness to follow the demands and rigor of college-level studies. AP courses assist students in stretching themselves to think and learn at a higher level and will help students stand out in the college admission process. A fee is required for each AP exam. The following AP courses are offered at UCHS:

- AP Biology
- AP Calculus AB
- AP Calculus BC
- AP Chemistry
- AP Physics
- AP Language and Composition
- AP Literature and Composition
- AP Latin
- AP Spanish
- AP Government
- AP U.S. History
- AP World History

The cost of the AP exam is \$89. The cost of the exam may be adjusted based upon student need.

## GRADING IN HONORS AND ADVANCED PLACEMENT COURSES

Honors and Advanced Placement course grades are calculated into a student's Grade Point Average on a weighted scale. Below is the weighted scales for GPA calculation.

Honors Courses	Advanced Placement Courses
A = 4.5	A = 5.0
B = 3.5	B = 4.0
C = 2.5	C = 3.0
D = 1.0	D = 1.0
F = 0	F = 0

## CREDIT AND NO CREDIT

Any student enrolled in University City High School may select one course each semester to receive credit or no credit for the course. Students who select the option of credit/no credit are expected to participate in the class and fulfill the requirements of the course. The teacher will grade the student by indicating that s/he receives credit for the course, or that s/he receives no credit for the course. In either case, the results of the student's effort will be recorded on the permanent record as follows:

- CR: Indicates satisfactory completion in the course and credit will be given
- NC: Indicates failure in the course taken and no credit will be given

A course taken for C/NC will not be used in computing the grade-point average or class rank.

All students who select the option of C/NC will have six weeks to complete the proper form and submit to Guidance. C/NC forms are available in Guidance.

## INDEPENDENT STUDY

Students may apply to take one course per semester of independent study for credit. An application for independent study must be approved by the student, parent, teacher, department chairperson, counselor, and Guidance Department. **Independent study may be arranged for courses that are offered but cannot be scheduled due to irresolvable conflict.** (This is a rare case.) See the counselors to determine eligibility for a course. Faculty members who sponsor students on independent study are responsible for complete, specific information on the Independent Study Form. Teachers are also responsible for documenting that the contracted readings, assignments, and conferences are completed before awarding credit for the study. In no instance is an independent study credit to be awarded without adequate performance. Independent Study Forms can be obtained from the guidance office. **THE FORMS MUST BE COMPLETED AND SUBMITTED BY THE THIRD WEEK OF THE SEMESTER.**

## ONLINE LEARNING: E2020

E2020 is a computer-based instructional program designed to provide students with the opportunity to fulfill requirements for graduation through credit recovery of a previously failed course. All course work is aligned to Missouri state standards and the Common Core standards. Students are able to learn at their own pace and make meaningful academic gains. E2020 provides learning opportunities for students in traditional, non-traditional, at-risk, home bound, or other alternative settings to recover credits through online courses in a flexible and engaging environment. Counselors and administrators can assign, monitor, and assess student progress through management, tracking, and reporting tools.

E2020 provides classes for students in grades 9-12 in the elective and core content areas including mathematics, science, language arts, and social studies courses. Enrollment requirements are as follows:

- Student may be enrolled in E2020 courses for credit recovery or advancement.
- Student may be enrolled in the E2020 class during the regular school schedule in lieu of an elective class.
- Student may also be enrolled outside the school day for credit recovery.
- Attendance guidelines for online classes offered during the school day will be the same as regular classes.
- Student may not be enrolled for more than two (2) courses at one time.
- Student will be subject to the student conduct code while working online.
- If a student is enrolled in the course during the day, student will be assigned to the computer lab. The teacher/computer lab aid will help with technical problems but does not instruct the student. The teacher will take attendance, help with any problems accessing the course or online materials, any technical issues, or computer problems.
- E2020 does not meet NCAA Clearinghouse standards of eligibility.
- Student may not be enrolled in more than two courses at one time; unless needed for graduation.

## **LIEBERMAN LEARNING CENTER**

The Lieberman Learning Center (LLC) is an option that provides a learning experience for students apart from the traditional high school environment. The goal of the program is to provide an opportunity for students to continue earning credits during a period in which they may experience difficulty in meeting expectations and requirements of the traditional high school. The LLC will provide:

- Flexible schedules,
- Smaller class sizes,
- An opportunity for more individualized instruction, and
- An opportunity to earn credit through employment and/or community service.

The program is not intended for first-year freshmen. Students will be admitted to the program through an application process. A student, parent/guardian, counselor, social worker, or administrator can initiate an application through the guidance office. After the counselor has spoken with the student and a parent/guardian, the application is sent to the LLC, along with a copy of the student's transcript, and attendance and discipline records. The application is then evaluated based upon the number of specific credits needed to determine if the LLC can assist the student. Students are then notified of acceptance into the program. All students accepted into the program must then have a student parent/guardian conference with the program administrator prior to being admitted.

Applications are accepted by June 1 for the fall semester and by December 15 for second semester. Student acceptance for second semester will be based on available space.

## **EARLY SENIOR GRADUATION**

Seniors may depart from school before their graduation date if the criteria detailed below have been met.

- All graduation requirements have been fulfilled.
- Written parental consent is submitted to the guidance counselor.
- The student makes a formal application at least one semester before the proposed completion date. Late applications are accepted only if extenuating circumstances merit special consideration.
- Student has secured employment or is enrolled in a post-high school education program.

S/he is considered a student of University City High School until the normal graduation ceremony in May. As such, s/he may participate in all student activities during the second semester that do not require regular attendance in school. All fees must be paid prior to graduation. Final approval for early departure is made by the administration in conjunction with the counselor. If interested, see the counselor for an early departure application form.

## **DESCRIPTIONS OF TESTS**

The University City School District offers testing sites within the district for many of the tests listed below. Please contact the Guidance Department at school to obtain information regarding testing dates, sites, and costs. The Guidance Department also offers a number of resources to help students prepare for the tests.

### **Missouri and U.S. Constitution Tests**

Per the Department of Elementary and Secondary Education, to be eligible for graduation from high school, a student must satisfactorily pass a test or tests on the provisions and principles of the U.S. and Missouri constitutions in order to graduate. At University City High School, the tests are administered in U.S. Government courses.

### **End-Of-Course Exam (EOC)**

As part of the Missouri Assessment Program, UCHS requires End-of-Course (EOC) assessments in the subject areas of Algebra I, Algebra II (if Algebra I was taken in 8th grade), Lit & Comp II, Biology and Government. EOC assessments are taken when a student has received instruction on the course-level expectations for an assessment, regardless of grade level.

## **PSAT/NMSQT (11th Grade)**

### **Preliminary Scholastic Aptitude Test/ National Merit Scholarship Qualifying Test (PSAT/NMSQT)**

The PSAT/NMSQT measures verbal, writing, and mathematics reasoning skills important for academic success in college. It serves three purposes:

- It gives the student practice for SAT I,
- It is the first step in qualifying for scholarships sponsored by the National Merit Scholarship Corporation and other scholarship programs, and
- It gives the student the opportunity to participate in the Student Search Service.

This test is approximately two hours in length and is primarily taken in the junior year. Sometimes it is appropriate for the student to take this test during his/her sophomore year for practice. Students should consult their counselors for additional information.

## **SAT I & II (11th-12th Grades)**

### **SAT I: Reasoning Test (Scholastic Aptitude Test)**

SAT is an assessment used to predict students' performance in college. Required by some schools as part of the application process, this test has three sections — verbal, mathematics, and writing. Questions in the verbal section are divided into reading passages, analogies, and sentence completion. Questions in the mathematics section cover standard multiple-choice, quantitative comparisons, and grid-in answers. The Writing Test is an essay based on a prompt. The Guidance Office can provide the student with additional information or students can go to [www.collegeboard.org](http://www.collegeboard.org). It is recommended that students take this test during their sophomore or junior year.

### **SAT II: Subject Tests (College Board Achievement Tests)**

The SAT II: Subject Tests are designed to find out how well the student has mastered specific subjects. Tests are offered in the areas of communication arts, history, foreign language, mathematics, and science. There are three purposes for taking these tests:

- Allows the student to demonstrate mastery of specific subjects,
- Assists colleges in their admission decisions and helps the student to determine his/her college preferences, and
- Provides choice of and placement in entry-level courses.

## ACT (11th-12th Grades)

### American College Testing Program (ACT)

The ACT consists of four examinations in communication arts, math, reading, and science reasoning, each of which yields separate scores measuring developed abilities in those areas. The test is required by some colleges as part of the application process for admission. The ACT assessment also offers an optional writing test. Check with colleges to determine if they require this assessment. The Guidance Office can provide the student with additional information. The ACT exam dates are as follows:

#### **TEST DATE**

September 10, 2016  
October 22, 2016  
December 10, 2016  
February 11, 2017  
April 8, 2017  
June 10, 2017 (Non-Saturday Date)

#### **REGISTRATION DEADLINE**

Registration dates  
will be announced in  
March of preceding school year.  
For more details,  
visit [www.actstudent.org](http://www.actstudent.org).

- Seniors must enroll in World Literature if not meeting the college readiness benchmark on the ACT.
- Seniors must enroll in College Prep Algebra or another mathematics course if not meeting the college readiness benchmark on the ACT.

### ACT WorkKeys Assessment

ACT WorkKeys is a job skills assessment system that helps employers select, hire, train, develop, and retain a high-performance workforce. This series of tests measures foundational and soft skills and offers specialized assessments to target institutional needs.

As part of ACT's Work Readiness System, ACT WorkKeys has helped millions of people in high schools, colleges, professional associations, businesses, and government agencies build their skills to increase global competitiveness and develop successful career pathways.

Successful completion of ACT WorkKeys assessments in Applied Mathematics, Locating Information, and Reading for Information can lead to earning ACT's National Career Readiness Certificate (ACT NCRC), a portable credential earned by more than 2.3 million people across the United States.

Source: <http://www.act.org/products/workforce-act-workkeys/>

### Armed Services Vocational Aptitude Battery (ASVAB)

Parents interested in having their son or daughter take an aptitude and career interest test should encourage students to sign up for the Armed Services Vocational Aptitude Battery (ASVAB). The Missouri Department of Elementary and Secondary Education has this to say about the ASVAB: "The Armed Services Vocational Aptitude Battery (ASVAB), the most widely used multiple aptitude battery in the United States and the most up-to-date, provides measures of aptitudes for general academic areas and for career areas that encompass most of the civilian as well as the military world. It is an excellent and useful test for all high school students' grades 10 through 12." The UCHS Guidance Office has information about this valuable test. The ASVAB is free with no military obligation attached.

**NOTE:** In addition to the tests described above, some colleges require their own on-campus placement tests before college enrollment is completed. UCHS suggests that each college-bound student explore the issue of college-related testing with the UCHS Guidance Department.

## COMPASS Placement Test

St. Louis Community College uses COMPASS, an untimed, computerized placement test to evaluate academic skills and place students into appropriate courses. COMPASS scores indicate areas in which students are strong and areas in which they may need help. Following testing, students and their advisor or counselor can review the results and determine coursework that will be appropriate to the student's academic skills and chosen program of study beyond high school.

COMPASS is required of all students enrolling at STLCC unless academic credentials are submitted that qualify students to take such courses without testing. STLCC may waive all or part of the placement test if students provide written documentation of one of the following:

An **ACT** score earned within the last three years documenting:

- A reading score of **18** or above to waive the reading test
- An English score of **18** or above to waive the writing test
- A math score of **23** or above to waive the math test

An **SAT** score earned within the last three years documenting:

- A critical reading score of **500** or above to waive the reading and writing tests
- A math score of **580** or above to waive the math test

In addition, some selective admission programs may require additional assessment exams or skills tests.

If the student cannot document that s/he has met the alternative assessment criteria noted above, s/he will be required to take the appropriate placement test(s) through STLCC before enrollment.

*Source: [http://www.stlcc.edu/admissions\\_and\\_registration/Getting\\_Started/COMPASS/Index.html](http://www.stlcc.edu/admissions_and_registration/Getting_Started/COMPASS/Index.html)*

## DUAL CREDIT

Dual Credit is an opportunity for qualified junior and senior students to enroll in college courses that earn both high school graduation and college credit simultaneously without having to leave the high school campus. Dual Credit is a platform that provides for a seamless transition from secondary to postsecondary education. It involves close collaboration between high school and college educators through on-going communication and planning for an integrated program of study. There are several benefits and challenges associated with dual credit courses.

Benefits:

- Provides a head start on postsecondary core requirements
- Lowers cost of college (credits earned are discounted to the student)
- Extends the variety of classes available to high school students
- Provides greater opportunity for a coordinated, seamless education
- Serves as a "controlled" introduction to college life
- Allows increased and easier transition to college.

Challenges:

- Occasional lack of student maturity, self-discipline, and motivation for college classes
- Completing the course work along with other high school courses

Although there is a cost involved when taking dual enrollment courses, it is a benefit to the student to take advantage of obtaining college credit because tuition costs are given at a discounted rate.

UCHS offers two courses for dual credit at the high school. These courses include:

- College Prep Algebra (Math 140)
- Human Anatomy and Physiology (Biology 109)



## SAINT LOUIS COMMUNITY COLLEGE ARTICULATED CREDIT

**What is articulated credit?** Articulated credit is college credit earned while a student is in high school. The credit is awarded for a high school course that is associated with a comparable college-level course, for which there is a signed articulation agreement developed by St. Louis Community College (STLCC) faculty and agreed upon by administration at both the high school and college level. Articulated credit can be applied at STLCC toward an Associate in Applied Science degree or certificate program.

### **What classes at University City High School are articulated with STLCC?**

- Accounting I & II
- Child Development I & II
- Computer Applications I & II
- Culinary Arts I & II
- Drafting Design I
- Introduction to Engineering Design
- Principals of Engineering
- Web Design

### **So if I take these courses and earn articulated credit can it only be applied to STLCC?**

Yes. These articulation agreements are exclusive with STLCC Career and Technical Education programs. These credits are not transferable to other colleges or universities.

### **If I take these courses and earn these credits, do I have to pay for them at STLCC?**

No, if students earn the credit at UCHS, then they are college credits earned FREE of charge! But students will only be eligible to use the articulated credit within three years of graduating from UCHS.

### **What must I do to earn the articulated credit other than being enrolled in the course at UCHS?**

Students must earn a "B" or better.

### **How can I get more information?**

Check with a guidance counselor or a faculty member in the CTE Department.

## DUAL ENROLLMENT

Dual enrollment is an option available to senior students. Students may enroll in a college-level course for college and/or high school credit while attending their senior year of high school. Enrollment in a class that is below college level will be taken for high school credit only. To be eligible, seniors must:

- Have a cumulative 2.5 GPA or higher;
- Have met or are meeting all graduation requirements through the regular high school program; and
- Enroll in a college course that is not available in the high school program, either because it is not offered or because of a conflict of time in the schedule.

Dual enrollment is available through the University of Missouri-St. Louis, St. Louis Community College, and Harris Stowe State University, as well as other area colleges. This option is open to seniors only and requires parent, counselor, and administrator approval prior to enrollment. Dual Enrollment Forms should be obtained from the guidance office. As most college and university semesters do not coincide with high school calendars, forms must be completed and submitted by the colleges' deadlines.

University City High School students are not eligible for late-start classes. In the case of a student beginning a college course before the end of first semester, the student is responsible for working with his/her academic counselor and classroom teacher to make arrangements for class work and final examinations. Students must be aware that the colleges have the final say in these courses.

To arrange dual enrollment, students must meet with their counselor after locating the course they wish to take. The counselor will examine records and write the permission letter for all qualifying students.

## A+ ADVANTAGE

Missouri's A+ Program provides scholarship funds to eligible graduates of A+ designated high schools, such as University City High School, who meet certain A+ requirements / criteria and choose to attend a participating public community college, vocational/technical school or state university. Educational incentives for participating institutions will be provided as long as state funds are appropriated by the legislature.

UCHS students are encouraged to enroll in the A+ Program during their freshman year to allow students and parents to receive information on the A+ Program from the A+ Coordinator. Interested seniors must enroll in the A+ program no later than January in order to complete the 50 required hours of tutoring/mentoring before graduation.

As of January 2015, A+ candidates must graduate with a grade point average (GPA) of at least 2.5 on a 4.0 scale, maintain at least a 95 percent cumulative attendance record in grades 9-12, maintain a good record of citizenship in alignment with the school's citizenship requirements, have at least a 17 or above on ACT Math, 43 on COMPASS pre-algebra or 1 on COMPASS algebra exams and perform at least 50 hours of unpaid tutoring/mentoring to other students that is verified by the high school's A+ coordinator.

Students interested in participating in the A+ Program should contact UCHS' A+ coordinator, Linda Pritchard at [lpritchard@ucityschools.org](mailto:lpritchard@ucityschools.org) or 314-290-4100 ext. 2102. More information about the A+ Program including A+ Agreement, A+ Partnership Plan and A+ Manual are available at [uchs.ucityschools.org](http://uchs.ucityschools.org).

## THINKING ABOUT TECHNICAL SCHOOL?

North and South County Technical High Schools offers students in grades 10-12 the opportunity to earn professional licenses and certifications, college credits through articulation and dual enrollment agreements, and advanced placement in 12 apprenticeship programs. Course offerings range from traditional technical fields, such as precision machining and construction, to high-demand fields such as health sciences and network administration. Students must complete an application for admission. For additional information, please see a guidance counselor and visit [www.sssdmo.org/ssd\\_services/tech\\_ed.html](http://www.sssdmo.org/ssd_services/tech_ed.html). A complete list of courses is listed below delineated by career cluster.

### Advanced Manufacturing

- Precision Machining
- Welding

### Arts and Communication

- Architectural Design and Geospatial Technology
- Fashion Design
- Graphic Design
- Graphic Production and Printing

### Business and Information Technology

- Business and Financial Management
- CISCO Networking Academy
- Hospitality, Tourism and Event Planning
- Web and Computer Programming

### Construction

- Carpentry
- Construction Trades
- Electrical Trades
- Heating, Ventilation and Air Conditioning
- Plumbing

### Human Services

- Cosmetology
- Culinary Arts
- Early Childhood Education

### Medical, Plant and Animal Sciences

- Health Science
- Landscaping and Horticulture
- Veterinary Assistant

### Public Safety

- Emergency Medical Technician
- Firefighting
- Homeland Security
- Law Enforcement

### Transportation

- Auto Body
- Automotive Technology
- Diesel Technology

## PROJECT LEAD THE WAY: PATHWAY TO ENGINEERING

The Project Lead the Way (PLTW) Pathway to Engineering (PTE) program is a sequence of courses that follows a proven hands-on, real-world problem-solving approach to learning. Throughout PTE, students learn and apply the design process, acquire strong teamwork and communication proficiency and develop organizational, critical-thinking, and problem-solving skills. Students discover the answers to questions like how are things made and what processes go into creating products?

Students use the same industry-leading 3D design software used by companies like Intel, Lockheed Martin and Pixar. They explore aerodynamics, astronautics and space life sciences. Students apply biological and engineering concepts related to biomechanics, such as robotics. They design, test and actually construct circuits and devices such as smart phones and tablets and work collaboratively on a culminating capstone project. Project Lead the Way is STEM (Science Technology Engineering and Mathematics) education and is at the heart of today's high-tech, high-skill global economy.

Course offerings include, Introduction to Engineering Design (IED), Principles of Engineering (POE) and Civil Engineering and Architecture (CEA). The fourth course Engineering Design and Development (EDD) is yet to come in 2017-18.

## ATHLETIC ELIGIBILITY

University City High School is a member of the Missouri State High School Activities Association (MSHSAA) and abides by all the rules and regulations pertaining to eligibility for student-athletes and the rules and regulations as established by the Association. The School District of University City has placed increased standards on student-athletes and expects all participants to meet both MSHSAA and District guidelines for participation.

- Participation in athletics and activities is considered a privilege and not a right.
- Students must be considered a “credible citizen” to be eligible to compete. This includes actions at school and in the community and is in effect 365 days a year.
- MSHSAA Academic Eligibility Standards require that students be enrolled in a minimum of 3.0 credits (6 classes) in the semester they compete.
- MSHSAA Academic Eligibility Standards require that students pass a minimum of 3.0 credits (6 classes) the semester prior to competition. (Summer may be included.)
- University City High School requires students that have below a 2.5 cumulative GPA to attend academic tutoring and be enrolled in the Academic Improvement Program (AIP) in order to gain the privilege of competition.
- If students are not permitted to attend school for disciplinary reasons, they are not allowed to participate in interscholastic athletics. Students that receive Out-of-School Suspension (OSS) may not practice or compete until they complete a full day of attendance. Students that receive In-School Suspension (ISS) may practice but not compete until they complete a full day of attendance.
- Students must report all arrests and actions taken by law enforcement to their Athletic Director within 24 hours (excluding traffic violations) to determine if the action will have an effect on athletic eligibility.
- If a student-athlete is absent after the completion of first period, they may practice but not compete until they complete a full day of attendance. Students absent on Fridays may not compete over the weekend. Absences may be approved by the Athletic Director in rare cases if permission is granted in advance, such as for a doctor's appointment, college visit, funeral, etc.
- Students who represent University City High School by participating in interscholastic athletics may not compete as members of a non-school team in the same sports season. Students may compete with an organized non-school team in a different sport if there is no practice or competition for the in-school team on that day.
- Students must maintain their amateurism and may not accept any award directly tied to athletics or performance in excess of \$25.
- Students and parents are required to read and abide by the “Student-Athlete Handbook” located on the District website at [uchs.ucityschools.org](http://uchs.ucityschools.org).

**\*\* See the Athletic Director for additional information or any questions \*\***

# NATIONAL COLLEGE ATHLETIC ASSOCIATION (NCAA) ELIGIBILITY STANDARDS

## **Core Courses:**

NCAA Division I requires 16 core courses. This rule applies to any student first entering any Division I college or university. NCAA Division II requires 14 core courses.

Note: Division II will require 16 core courses beginning August 1, 2013.

## **Test Scores:**

- Division I has a sliding scale for test score and grade point average.
- Division II has a minimum SAT score requirement of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the four sections on the ACT: English, mathematics, reading and science.
- All SAT and ACT scores must be reported directly to the NCAA Eligibility Center by the testing agency. Test scores that appear on transcripts will not be used. When registering for the SAT or ACT, use the Eligibility Center code of 9999 to make sure the score is reported to the Eligibility Center.

## **Grade Point Average:**

- Only core courses are used in the calculation of the grade point average.
- Be sure to look at the high school's list of NCAA-approved core courses on the Eligibility Center's website at [www.eligibilitycenter.org](http://www.eligibilitycenter.org) to make certain that courses being taken have been approved as core courses.

## **Important Information:**

Students enrolling at an NCAA Division I or II institution for the first time need to also complete the amateurism questionnaire through the Eligibility Center website. Students need to request final amateurism certification prior to enrollment.

**For more information regarding the rules, please go to [www.NCAA.org](http://www.NCAA.org). Click on "Rules Compliance" then "Eligibility."**

# ACADEMIC INTEGRITY FOR FACULTY & STUDENTS

University City High School values academic integrity. Academic integrity requires:

## **Honesty, which means:**

- A commitment to truthfulness, and
- The refusal to steal or mislead, cheat, or plagiarize.

## **Fairness, which means:**

- The willingness to treat others as I would wish to be treated upon careful consideration.

## **Respect, which means valuing, in attitude and practice:**

- All human beings,
- Myself, and
- The University City High School community and beyond.

## **Responsibility, which means:**

- Recognizing that the quality of a UCHS education and the quality of the UCHS experience depend upon my behavior, and
- Accepting, at all times, the consequences of my actions.

As a member of the UCHS community, the students, faculty, and staff are responsible for upholding this value, supporting academic quality, academic rigor and an appropriate high school atmosphere.

## **ACADEMIC INTEGRITY STATEMENT**

University City High School values academic integrity (honesty, trust, fairness, respect and responsibility). It recognizes that individuals can achieve their maximum potential and contribute appropriately to the well-being of the larger community only if they recognize the ethical dimensions of decisions and actions. The school and district assumes all members of the academic community will exhibit academic integrity supporting student access, academic quality, academic rigor, innovation, and collegiality.

### **DEFINITION OF PLAGIARISM**

Plagiarism is defined as representing the words, ideas, or work of another as one's own in any academic exercise. Plagiarism consists of taking the words or substance of another work and either copying or paraphrasing without giving credit to the source. Plagiarism is applicable to written, oral and artistic work. The following examples are only some of the many forms plagiarism may take:

- Word-for-word copying of work written by someone else;
- Failure to give proper credit for ideas, statements of facts or conclusions derived by another;
- Failure to use quotation marks when quoting directly from another, whether a paragraph, sentence or phrase; or
- Close and extended paraphrasing of another work without acknowledging the source.

### **DEFINITION OF CHEATING**

Cheating is the act of obtaining or attempting to obtain credit for academic work through the use of dishonest, deceptive, or fraudulent means. The following are only some of the many forms cheating may take:

- Copying another's work on a test, paper, or project;
- Using unauthorized materials in an exam or collaborating on work to be turned in for credit where the instructor disallows such collaboration;
- Taking an exam for another student, purposely allowing another student to copy during a test or providing coursework for another student to turn in as his or her own effort;
- Fabricating, falsifying or misrepresenting data or results from experiments, interviews or surveys;
- Submitting the same work in more than one class for credit without permission from the instructor; or
- Knowingly furnishing false information to a college.

### **SCHEDULE CHANGE**

University City High School students may only change their schedules during the first two weeks of each semester. Schedule changes are based upon the professional recommendation of teachers and counselors. Student's preference of teacher is not a sufficient rationale for schedule changes. Should a student wish to change an honors or Advanced Placement (AP) course, they should pick up a purple, Honors / AP Drop form from the 11th grade office.

# UNIVERSITY CITY HIGH SCHOOL 5 YEAR PLAN OF STUDY

(Please complete this form in **PENCIL**)

**Name:** \_\_\_\_\_ **Career Path (circle one)** Business, Management & Technology Natural Resources Agriculture Human Services  
Industrial & Engineering Technology Health Services Arts & Communication

**Assessments:** \_\_\_\_\_ **Career Cluster:** \_\_\_\_\_

**Graduation Year:** \_\_\_\_\_ **Postsecondary Goal(s):** \_\_\_\_\_

**NCAA?** ☐ YES ☐ NO **A+ Program?** ☐ YES ☐ NO **Directions:** Fill in your intended courses for each school year. *Place an H (H) or AP (AP) next to any course that is Honors or Advanced Placement.*

REQUIREMENTS/CREDITS		GRADE 9		
		1ST SEMESTER	2ND SEMESTER	
Language Arts	1	Lit/Comp 1	Lit/Comp 1	<b>Initial Program of Study</b>
Social Studies	1	World History	World History	Date: _____
Mathematics	1			
Science	1	Physical Science or Hon Biology	Physical Science or Hon Biology	Student's Signature _____
Academic Lit or Elective	1			
P.E.	1	PE	PE	Counselor's Signature _____
Elective or Fine Art/CTE Requirement	1			

REQUIREMENTS/CREDITS		GRADE 10		
		1ST SEMESTER	2ND SEMESTER	
Language Arts	1	Lit/Comp II	Lit/Comp II	<b>Annual Review</b>
Mathematics	1			Date of Revision: _____
Science	1	Biology or Chemistry	Biology or Chemistry	
Social Studies	1	US History	US History	Student's Signature _____
Health	.5			
Other Elective	.5	Health		Counselor's Signature _____
Elective or Fine Art/CTE Requirement	1			
Elective or Fine Art/CTE Requirement	1			

REQUIREMENTS/CREDITS		GRADE 11		
		1ST SEMESTER	2ND SEMESTER	
Language Arts	1	American Lit	American Lit	<b>Annual Review</b>
Social Studies	1	Government	Government	Date of Revision: _____
Mathematics	1			
Science	1			Student's Signature _____
Personal Finance	.5			
Other Elective	.5	Personal Finance		Counselor's Signature _____
Elective or Fine Art/CTE Requirement	1			
Elective or Fine Art/CTE Requirement	1			

REQUIREMENTS/CREDITS		GRADE 12		
		1ST SEMESTER	2ND SEMESTER	
Language Arts	1	World Lit	World Lit	<b>Annual Review</b>
Mathematics	1			Date of Revision: _____
Science	1			
Social Studies Elective	.5			Student's Signature _____
Social Studies Elective	.5			
Elective(s)	1			Counselor's Signature _____
Elective(s)	1			
Elective(s)	1			

MINIMUM	GRADUATION CREDIT REQUIREMENTS	
Language Arts – 4 credits	COLLEGE BOUND	CAREER & TECHNICAL
Mathematics – 3 credits	Language Arts- 4 credits	Course Sequence in:
Social Studies – 3 credits	Mathematics – 4 credits	Family and Consumer Science
Science – 3 credits	Social Studies – 4 credits	Business
Fine Art – 1 credit	Science – 4 credits	Marketing
Practical Art – 1 credit	Foreign Language- 2-3 years	Project Lead the Way
Personal Finance- .5 credit	Academic Electives – 2-3 years	*3 or more sequential credits
Phys. Ed./Health – 1.5 credits	+ Meet other graduation requirements	+Meet other graduation requirements
Electives- 7 credits		
<b>Total of 24 credits</b>		

# CAREER PATHWAYS







**What is a Career Path?** The state of Missouri has identified six Career Paths as a way to help students become aware of and explore careers in a logical and meaningful way. They include Arts and Communication, Business, Management and Technology, Health Services, Human Services/Transportation, Industrial and Engineering Technology, and Natural Resources and Agriculture.

**What is a Career Cluster?** 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.

**What is a Career Pathway?** Occupations within a Career Cluster are further grouped according to shared commonalities such as skill sets or common roles. This grouping is called a Career Pathway. Each cluster contains two to seven Career Pathways. Career Pathways assist educators in the development of a coordinated and non-duplicative sequence of courses that identifies both secondary and postsecondary education elements; includes challenging academic and career and technical education content; and culminates in one or more of the following: technical skill proficiency, a credential, a certificate, or a degree at the secondary or postsecondary level.

Who can help me understand Career Pathways? A guidance counselor as well as any Career and Technical Education teacher can assist students in understanding Career Pathways – just ask!

Where can I get more information regarding the Career Pathways at University City High School? Right here in this book! Read all about them in the pages that follow.

Career Paths	Description	Career Clusters	Possible Careers
<b>Arts and Communication</b> 	<b>Creative Path</b> Are you a creative person? Do you like to perform for others or create a work of art? Are you imaginative and innovative?	Arts, A/V Technology and Communications	Communications Occupations Performing Arts Occupations Visual Arts Occupations Computer Engineers Audio Visual Engineers
<b>Business, Management, and Technology</b> 	<b>Business Path</b> Are you a leader? Do you like to organize meetings or projects? Are you able to talk to people and communicate your idea or a vision? Can you carry out a project to completion?	Information Technology Marketing, Sales and Service Business, Management and Administration Finance	Executive, Administrative and Managerial Occupations Marketing and Sales Occupations Administrative Support Occupations, Including Clerical Computer, Mathematical and Operations Research Occupations Computer Engineers
<b>Health Services</b> 	<b>Health Path</b> Do you like helping people get well or even stay well? Are you interested in diagnosing a health issue in a patient? Are you interested in the human body and how it functions?	Health Science	Health Services Occupations Health Assessment and Treating Occupations Health Diagnosing Practitioners Health Technologists and Technicians Biomedical Engineering
<b>Human Services/Transportation</b> 	<b>Helping Path</b> Do you like to problem solve and make things better for others? Are you open to new ideas or opinions? Do you have an outgoing and friendly personality?	Human Services Hospitality and Tourism Government and Public Administration Law, Public Safety, Corrections and Security Education and Training	Legal Careers Religious Occupations Educational Occupations Food and Beverage Preparation and Service Occupations Personal, Building, and Ground Service Occupations Protective Service Occupations Social and Recreational Occupations Civil Engineers
<b>Industrial and Engineering Technology</b> 	<b>Building and Fixing Path</b> Do you like building things? Are you interested in determining how things work?	Manufacturing Transportation, Distribution and Logistics Science, Technology, Engineering and Mathematics Architecture and Construction	Engineers Architects and Surveyors Plant and Systems Operators Mechanics, Installers and Repairers Metalworking and Plastics-Working Occupations Printing Occupations Construction Trades Occupations
<b>Natural Resources and Agriculture</b> 	<b>Nature Path</b> Do you like nature and the outdoors? Do you like to be physically active? Would you like to determine the cause of environmental problems?	Agriculture, Food and Natural Resources	Food Scientist Botanist Veterinarian Agricultural Engineer Forest, Fisheries or Mining Engineer or Technician Hazardous Materials Handler Livestock Buyers/Seller



**University City High School**  
**Agriculture, Food & Natural Resources**  
**Career Cluster Program of Study Template**  
[www.ucityschools.org](http://www.ucityschools.org)

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.	
Grade	English Language Arts	Math	Science	Social Studies	Required Courses, Elective Options	Career Center	Additional Learning Opportunities		
Secondary	9	Literature & Composition I Honors Literature and Composition Academic Literacy	Algebra I Honors Algebra I Honors Geometry Honors Algebra II	Physical Science Honors Biology	World History Honors World History	Comprehensive Physical Education Fine Arts	North County Tech <a href="http://www.northtechnical.org">www.northtechnical.org</a>	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:	
	10	Literature & Comp II Honors Lit & Comp II	Geometry Honors Geometry Algebra II Honors Algebra II Pre-Calculus Probability and Statistics	Biology Honors Biology Chemistry Honors Chemistry Physics Honors Physics	US History Honors US History AP US History	Health	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other:		
	11	American Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology/Lab Chemistry Honors Chemistry AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ★ Anatomy/Physiology Ecology	Government AP Government	Personal Finance	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Project Lead the Way <input type="checkbox"/> Pro Start <input type="checkbox"/> Other:		
12	World Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology/Lab AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ★ Anatomy/Physiology Ecology				Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:		
							Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> TSA <input type="checkbox"/> Other:		

◆ Articulated Credit    ★ Dual Credit

Revised 1.4.16



Postsecondary Offerings – For A Complete Listing, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
Community College	Technical School/Training Institution	In State		Out of State/Other
<b>Postsecondary</b> Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a> Linn State Technical College <a href="http://www.linnstate.edu">www.linnstate.edu</a> Metropolitan Community College <a href="http://www.mccc.edu">www.mccc.edu</a> Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a> North Central Missouri College <a href="http://www.ncmcc.edu">www.ncmcc.edu</a> Ozarks Technical Community College <a href="http://www.otc.edu">www.otc.edu</a> St Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a> State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a> Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>	Columbia Area Career Center <a href="http://www.career-center.org">www.career-center.org</a> Davis Hart Career Center <a href="http://www.mexicoschools.net">www.mexicoschools.net</a> Eldon Career Center <a href="http://www.eldoncareercenter.org">www.eldoncareercenter.org</a> Hannibal Career and Technical Center <a href="http://www.hannibaltec.mo.us">www.hannibaltec.mo.us</a> Kirksville Area Tech Center <a href="http://www.kirksville.k12.mo.us">www.kirksville.k12.mo.us</a> Moberly Area Tech Center <a href="http://www.moberly.k12.mo.us">www.moberly.k12.mo.us</a> Ranken Tech College <a href="http://www.ranken.edu">www.ranken.edu</a> Waynesville Technical Academy <a href="http://www.waynesville.k12.mo.us">www.waynesville.k12.mo.us</a>	A.T. Skill University of Health Sciences <a href="http://www.atsu.edu">www.atsu.edu</a> Avila University - <a href="http://www.avila.edu">www.avila.edu</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a> Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a> Culver-Stuker College <a href="http://www.culver.edu">www.culver.edu</a> Drury University - <a href="http://www.drury.edu">www.drury.edu</a> Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a> Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Hannibal-Lagrange College - <a href="http://www.hlg.edu">www.hlg.edu</a> Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood University <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Maryville University of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a> MO Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a> Missouri State University – West Plains <a href="http://www.wp.missouristate.edu">www.wp.missouristate.edu</a> MO Univ of Science & Technology <a href="http://www.mst.edu">www.mst.edu</a> Missouri Valley College <a href="http://www.moval.edu">www.moval.edu</a>	Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a> Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a> Park University - <a href="http://www.park.edu">www.park.edu</a> Rockhurst University - <a href="http://www.rockhurst.edu">www.rockhurst.edu</a> Saint Louis University <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a> Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a> Southwest Baptist University <a href="http://www.sbu.edu">www.sbu.edu</a> Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a> Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a> Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a> University of MO – Columbia <a href="http://www.missouri.edu">www.missouri.edu</a> University of MO – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a> Univ of MO – St Louis - <a href="http://www.umsl.edu">www.umsl.edu</a> Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a> Webster University <a href="http://www.websteruniv.edu">www.websteruniv.edu</a> Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a> William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a> William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>	<ul style="list-style-type: none"> <li>Apprenticeship</li> <li>Military</li> <li>On-the-Job Training</li> </ul> Petropolis Academy of Grooming & Training - <a href="http://www.petropolisacademy.com">www.petropolisacademy.com</a> Midwest Institute <a href="http://www.midwestinstitute.com">www.midwestinstitute.com</a>

Sample Careers By Educational Level – For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
Animal Caretakers Animal Trainers Bakers Commercial Fishers Farm and Ranch Workers Farm Equipment Mechanics Farmers Food Processing Workers Log Graders and Scalers Loggers Meat Cutters Mining Machine Operators Nursery Workers Rock Splitters Trash Collectors Veterinary Assistants Water Treatment Plant Operators	Fish and Game Wardens Forestry Technicians Precision Agriculture Technicians	Agricultural Engineers Agricultural Scientists Animal Scientists Conservation Scientists Farm and Home Management Advisors Food Scientists Foresters Park Naturalists Zoologists	Agricultural Sciences Teachers, Postsecondary Animal Scientists Farm and Home Management Advisors Veterinarians Zoologists and Wildlife Biologists	



**University City High School**  
**Architecture & Construction**  
**Career Cluster Program of Study Template**  
[www.ucityschools.org](http://www.ucityschools.org)

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.	
Grade	English Language Arts	Math	Science	Social Studies	Required Courses, Elective Options	Career Center	Additional Learning Opportunities		
Secondary	9	Literature & Composition I Honors Literature and Composition Academic Literacy	Algebra I Honors Algebra I Honors Geometry Honors Algebra II	Physical Science Honors Biology	World History Honors World History	Comprehensive Physical Education Fine Arts	North County Tech <a href="http://www.northtechnical.org">www.northtechnical.org</a>  South County Tech <a href="http://www.southtechhigh.org">www.southtechhigh.org</a>	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:	
	10	Literature & Comp II Honors Lit & Comp II	Geometry Honors Geometry Algebra II Honors Algebra II Pre-Calculus Probability and Statistics	Biology Honors Biology Chemistry Honors Chemistry Physics Honors Physics	US History Honors US History AP US History	Health  ♦ Drafting Design I	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other:	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Project Lead the Way <input type="checkbox"/> Pro Start <input type="checkbox"/> Other:	
	11	American Literature & Composition AP Language & Composition	Algebra II Honors Algebra II ♦ College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology Lab Chemistry Honors Chemistry AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ♦ Anatomy/Physiology Ecology	Government AP Government	Personal Finance  ♦ Drafting Design I Woodworking with Residential Wiring and Plumbing	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:	Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCL <input type="checkbox"/> TSA <input type="checkbox"/> Other:	
	12	World Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II ♦ College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology/Lab AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ♦ Anatomy/Physiology Ecology	♦ Drafting Design I Woodworking with Residential Wiring and Plumbing				

♦ Articulated Credit   ♦ Dual Credit

Revised 1.4.16

Postsecondary Offerings – For A Complete Listing, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
Community College	Technical School/Training Institution	In State		Out of State/Other
Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a> Linn State Technical College <a href="http://www.linnstate.edu">www.linnstate.edu</a> Metropolitan Community College <a href="http://www.mccc.edu">www.mccc.edu</a> Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a> Moberly Area Comm College <a href="http://www.macc.edu">www.macc.edu</a> North Central Missouri College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a> Ozarks Technical Comm College <a href="http://www.otc.edu">www.otc.edu</a> St. Louis Community College <a href="http://www.slccc.edu">www.slccc.edu</a> St. Charles Community College <a href="http://www.stchas.edu">www.stchas.edu</a> State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a> Three Rivers Community College <a href="http://www.trccc.edu">www.trccc.edu</a>	Arcadia Valley Tech Center - <a href="http://www.mineralarea.edu">www.mineralarea.edu</a> Cape Girardeau Career/Tech Center <a href="http://www.cape.k12.mo.us/cc/default.htm">www.cape.k12.mo.us/cc/default.htm</a> Clinton Tech School <a href="http://www.clinton.k12.mo.us">www.clinton.k12.mo.us</a> Columbia Area Career Ctr - <a href="http://www.career-center.org">www.career-center.org</a> Davis Hart Career Ctr - <a href="http://www.mexicohschools.net">www.mexicohschools.net</a> Eldon Career Ctr - <a href="http://www.aidoncareercenter.org">www.aidoncareercenter.org</a> Franklin Technology - MSSU <a href="http://www.ftcopolin.com">www.ftcopolin.com</a> Gibson Tech Ctr - <a href="http://www.volives.k12.mo.us/gtc">www.volives.k12.mo.us/gtc</a> Grand River Technical School - <a href="http://www.grts.org">www.grts.org</a> Hannibal Career and Technical Center <a href="http://www.hannibaltec.mo.us">www.hannibaltec.mo.us</a> Herndon Career Center <a href="http://www.herndoncareercenter.com">www.herndoncareercenter.com</a> Hillyard Technical Ctr - <a href="http://www.hillyardtech.com">www.hillyardtech.com</a> Lake Career & Technical Center <a href="http://www.camdentonschools.org">www.camdentonschools.org</a> Lebanon Technology and Career Ctr <a href="http://www.lebanon.k12.mo.us">www.lebanon.k12.mo.us</a> Lex Le-Ray Tech Ctr <a href="http://www.lexington.k12.mo.us">www.lexington.k12.mo.us</a> Kirksville Area Tech Ctr <a href="http://www.kirksville.k12.mo.us">www.kirksville.k12.mo.us</a> Moberly Area Tech Ctr - <a href="http://www.moberly.k12.mo.us">www.moberly.k12.mo.us</a> Nichols Career Center - <a href="http://www.jcps.k12.mo.us">www.jcps.k12.mo.us</a> Northland Career Ctr - <a href="http://www.northlandcareercenter.com">www.northlandcareercenter.com</a> Northwest Tech School - <a href="http://www.maryville.k12.mo.us">www.maryville.k12.mo.us</a> Perryville Area Career/Tech Center <a href="http://www.perryville.k12.mo.us">www.perryville.k12.mo.us</a> Pike-Lincoln Tech Ctr - <a href="http://www.pltc.k12.mo.us">www.pltc.k12.mo.us</a> Ranken Tech College - <a href="http://www.ranken.edu">www.ranken.edu</a> Rolla Tech Institute - <a href="http://www.rolla.k12.mo.us">www.rolla.k12.mo.us</a> South Central Career Ctr - <a href="http://www.wphs.k12.mo.us">www.wphs.k12.mo.us</a> Unitec Career Center - <a href="http://www.mineralarea.edu">www.mineralarea.edu</a> Waynesville Technical Academy <a href="http://www.waynesville.k12.mo.us">www.waynesville.k12.mo.us</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a> Baptist Bible College - <a href="http://www.baptist.edu">www.baptist.edu</a> Bryan College - <a href="http://www.bryancollege.com">www.bryancollege.com</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a> Columbia College - <a href="http://www.cclis.edu">www.cclis.edu</a> Culver-Stokton College - <a href="http://www.culver.edu">www.culver.edu</a> Drury University - <a href="http://www.drury.edu">www.drury.edu</a> Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a> Everest College - <a href="http://www.everest-college.edu">www.everest-college.edu</a> Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Hannibal-LeGrange College - <a href="http://www.hlg.edu">www.hlg.edu</a> Harris-Stowe State Univ - <a href="http://www.hssu.edu">www.hssu.edu</a> Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Maryville Univ of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Messenger College <a href="http://www.messengercollege.edu">www.messengercollege.edu</a> Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a> Missouri College <a href="http://www.missouricollege.com">www.missouricollege.com</a> Missouri Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a> Missouri State University – West Plains <a href="http://www.wp.missouristate.edu">www.wp.missouristate.edu</a>	MO University of Science & Technology <a href="http://www.mst.edu">www.mst.edu</a> Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a> Park University - <a href="http://www.park.edu">www.park.edu</a> Rockhurst University <a href="http://www.rockhurst.edu">www.rockhurst.edu</a> Saint Louis University <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a> Sanford-Brown College <a href="http://www.sanford-browncollege.com">www.sanford-browncollege.com</a> Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a> Southwest Baptist Univ - <a href="http://www.sibuniv.edu">www.sibuniv.edu</a> Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a> Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a> Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a> Univ of MO – Columbia - <a href="http://www.missouri.edu">www.missouri.edu</a> Univ of MO – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a> Univ of MO – St. Louis - <a href="http://www.umsl.edu">www.umsl.edu</a> University of Phoenix - <a href="http://www.phoenix.edu">www.phoenix.edu</a> Vatterott College <a href="http://www.vatterott-college.edu">www.vatterott-college.edu</a> Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a> Webster University - <a href="http://www.websteruniv.edu">www.websteruniv.edu</a> Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a> William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a> William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>	<ul style="list-style-type: none"> <li>Apprenticeship</li> <li>Military</li> <li>On-the-Job Training</li> </ul> Foley-Belsaw Institute <a href="http://www.foley-belsaw.com">www.foley-belsaw.com</a> Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a> DeVry University <a href="http://www.drury.edu">www.drury.edu</a> Grantham University <a href="http://www.grantham.edu">www.grantham.edu</a> ITT Technical Institute <a href="http://www.itt-tech.edu">www.itt-tech.edu</a> MERS/Missouri Goodwill Industries <a href="http://www.mersgoodwill.org">www.mersgoodwill.org</a> Missouri Welding Institute <a href="http://www.nwi.lws">www.nwi.lws</a> National American University <a href="http://www.national.edu">www.national.edu</a>

## Postsecondary

Sample Careers By Educational Level – For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
Bricklayers, Stonemasons and Cement Masons Cabinetmakers and Carpenters Drywall Finishers & installers and Plasterers Electricians Fence Builders Heating and Cooling System Mechanics Highway Maintenance Workers & Paving Equip Operators Line Installers and Repairers Plumbers and Pipefitters Roofers Sheet Metal Workers and Structural Metal Workers Surveying and Mapping Technicians Tile Setters	Commercial Divers Drafters Energy Auditors Interior Designers	Architects Construction Managers Cost Estimators Landscape Architects Surveyors	Architects, Except Landscape and Naval Architecture Teachers, Postsecondary Engineering Managers Engineering Teachers, Postsecondary Historians Operations Research Analysts Political Scientists Sociologists Sociology Teachers, Postsecondary	





**University City High School**  
**Arts, AV Technology & Communications**  
**Career Cluster Program of Study Template**  
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Grade	English Language Arts	Math	Science	Social Studies	Required Courses, Elective Options	Career Center	Additional Learning Opportunities	
9	Literature & Composition I Honors Literature and Composition Academic Literacy	Algebra I Honors Algebra I Honors Geometry Honors Algebra II	Physical Science Honors Biology	World History Honors World History	Comprehensive Physical Education Fine Arts Introduction to Journalism ◆ Computer Applications I & II	North County Tech <a href="http://www.northtechnical.org">www.northtechnical.org</a>  South County Tech <a href="http://www.southtechhigh.org">www.southtechhigh.org</a>	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:	
							Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other:	
							Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Project Lead the Way <input type="checkbox"/> Pro Start <input type="checkbox"/> Other:	
10	Literature & Comp II Honors Lit & Comp II	Geometry Honors Geometry Algebra II Honors Algebra II Pre-Calculus Probability and Statistics	Biology Honors Biology Chemistry Honors Chemistry Physics Honors Physics	US History Honors US History AP US History	Health Visual Arts Performing Arts Introduction to Journalism Broadcast Journalism Yearbook Newspaper ◆ Computer Applications I & II Multimedia ◆ Web Design		Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:	
							Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> TSA <input type="checkbox"/> Other:	
11	American Literature & Composition AP Language & Composition	Algebra II Honors Algebra II ◆ College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology Lab Chemistry Honors Chemistry AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ◆ Anatomy/Physiology Ecology	Government AP Government	Personal Finance Visual Arts Performing Arts Introduction to Journalism Broadcast Journalism Yearbook Newspaper ◆ Computer Applications I & II Multimedia ◆ Web Design		Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Project Lead the Way <input type="checkbox"/> Pro Start <input type="checkbox"/> Other:	
							Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:	
							Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> TSA <input type="checkbox"/> Other:	
12	World Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II ◆ College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology/Lab AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ◆ Anatomy/Physiology Ecology		Visual Arts Performing Arts Introduction to Journalism Broadcast Journalism Yearbook Newspaper ◆ Computer Applications I & II Multimedia ◆ Web Design		Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Project Lead the Way <input type="checkbox"/> Pro Start <input type="checkbox"/> Other:	
							Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:	
							Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> TSA <input type="checkbox"/> Other:	

**Secondary**

Postsecondary Offerings - For A Complete Listing, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>			
Community College	Technical School/Training Institution	In State	Out of State/Other
Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a> Linn State Technical College <a href="http://www.linnstate.edu">www.linnstate.edu</a> Metropolitan Comm College <a href="http://www.mccc.edu">www.mccc.edu</a> Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a> Moberly Area Comm College <a href="http://www.macc.edu">www.macc.edu</a> Ozarks Tech Comm College <a href="http://www.etc.edu">www.etc.edu</a> St. Charles Comm College <a href="http://www.stchas.edu">www.stchas.edu</a> St. Louis Community College <a href="http://www.slccc.edu">www.slccc.edu</a> State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a> Three Rivers Comm College <a href="http://www.trcc.edu">www.trcc.edu</a>	Cape Girardeau Career/Tech Center <a href="http://www.cape.k12.mo.us/cc/default.htm">www.cape.k12.mo.us/cc/default.htm</a> Clinton Technical School <a href="http://www.clinton.k12.mo.us/ts.php">www.clinton.k12.mo.us/ts.php</a> Davis Hart Mexico Technical School <a href="http://www.mexicoschools.org">www.mexicoschools.org</a> Eldon Career Center <a href="http://www.eldoncareercenter.org">www.eldoncareercenter.org</a> Four Rivers Technical Center <a href="http://www.washington.k12.mo.us">www.washington.k12.mo.us</a> Franklin Tech - MSSU <a href="http://www.fjcpln.com">www.fjcpln.com</a> Gibson Tech Ctr - <a href="http://www.wolves.k12.mo.us/gtc">www.wolves.k12.mo.us/gtc</a> Hannibal Career and Technical Center <a href="http://www.hannibal.tec.mo.us">www.hannibal.tec.mo.us</a> Herndon Career Center <a href="http://www.herndoncareercenter.com">www.herndoncareercenter.com</a> Hillyard Tech Center - <a href="http://www.hillyardtech.com">www.hillyardtech.com</a> Kirkville Area Technical Center <a href="http://www.kirkville.k12.mo.us">www.kirkville.k12.mo.us</a> Lake Career and Technical Center <a href="http://www.camdentonschools.org">www.camdentonschools.org</a> Lex La-Ray Tech Ctr - <a href="http://www.lexington.k12.mo.us">www.lexington.k12.mo.us</a> Moberly Area Tech Ctr - <a href="http://www.moberly.k12.mo.us">www.moberly.k12.mo.us</a> Nichols Career Center - <a href="http://www.jcps.k12.mo.us">www.jcps.k12.mo.us</a> Perryville Area Career/Technical Center <a href="http://www.mineralarea.edu">www.mineralarea.edu</a> Ranken Technical College - <a href="http://www.ranken.edu">www.ranken.edu</a> Rolla Technical Institute - <a href="http://www.rolla.k12.mo.us">www.rolla.k12.mo.us</a> Waynesville Technical Academy <a href="http://www.waynesville.k12.mo.us">www.waynesville.k12.mo.us</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a> Bryan College - <a href="http://www.bryancollege.com">www.bryancollege.com</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a> Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a> Culver-Stockton College - <a href="http://www.culver.edu">www.culver.edu</a> DeVry University - <a href="http://www.devry.edu">www.devry.edu</a> Drury University - <a href="http://www.drury.edu">www.drury.edu</a> Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a> Everest College <a href="http://www.everest-college.com">www.everest-college.com</a> Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Hannibal-Lagrange College - <a href="http://www.hlg.edu">www.hlg.edu</a> Harris-Stowe State Univ - <a href="http://www.hssu.edu">www.hssu.edu</a> Hickey College <a href="http://www.hickeycollege.edu">www.hickeycollege.edu</a> Lincoln University - <a href="http://www.lincoln.edu">www.lincoln.edu</a> Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Maryville Univ of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Messenger College <a href="http://www.messengercollege.edu">www.messengercollege.edu</a> Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a> Missouri College <a href="http://www.missouricollege.com">www.missouricollege.com</a> MO Southern State Univ - <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a>	• Apprenticeship • Military • On-the-Job Training American College of Technology <a href="http://www.acot.edu">www.acot.edu</a> Baptist Bible College - <a href="http://www.baptist.edu">www.baptist.edu</a> Barizon School of Clayton <a href="http://www.barizonmodeling.com">www.barizonmodeling.com</a> Broadcast Center <a href="http://www.broadcastcenterinfo.com">www.broadcastcenterinfo.com</a> Calvary Bible College and Theological Seminary - <a href="http://www.calvary.edu">www.calvary.edu</a> Central Bible College - <a href="http://www.cbccag.edu">www.cbccag.edu</a> Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a> Court Report Academy <a href="http://www.thecourtreportingacademy.com">www.thecourtreportingacademy.com</a> ITT Technical Institute <a href="http://www.itt-tech.edu">www.itt-tech.edu</a> Kansas City Art Inst - <a href="http://www.kcai.edu">www.kcai.edu</a> Midwestern Baptists Theological Seminary - <a href="http://www.mbtts.edu">www.mbtts.edu</a> Missouri Tech - <a href="http://www.motech.edu">www.motech.edu</a> National American University <a href="http://www.national.edu">www.national.edu</a>

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On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Actors Bookbinders and Bindery Workers Camera/Photographic Equipment Repairers Communications Equipment Mechanics Costume and Wardrobe Specialists Dancers Fine Artists Floral Designers Movie Projectionists Musical Instrument Repairers and Tuners Musicians and Singers Painting, Coating, and Decorating Workers Photographers Potters Printing Press Operators Proofreaders Ushers and Ticket Takers	Audio and Video Equipment Technicians Broadcast Technicians and Sound Engineering Techs Camera Operators, Film and Video Editors Choreographers Communications Equipment Mechanics Computer, Automated Teller, & Office Machine Repairers Desktop Publishers and Page Layout Workers Directors-Stage, Motion Pictures, Television, and Radio Electronic Home Entertainment Equipment Installers/Repairers Fashion Designers and Interior Designers Fine Artists, Including Painters, Sculptors, and Illustrators Multi-Media Artists and Animators Music Directors Poets, Lyricists and Creative Writers Producers Radio Mechanics and Operators Telecommunications Equipment Installers and Repairers	Agents and Business Managers Animators and Multi-media Artists Art Directors and Talent Directors Broadcast News Analysts and News Reporters Copy Writers, Technical Writers and Editors Directors-Stage, Motion Pictures, Television, and Radio Film and Video Editors Graphic Designers Industrial Designers Interpreters and Translators Multi-Media Artists and Animators Museum Technicians and Conservators Music Composers, Directors, and Arrangers Poets, Lyricists and Creative Writers Proofreaders and Copy Markers Reporters and Correspondents Set and Exhibit Designers Vocational Education Teachers, Postsecondary	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary English Language and Literature Teachers, Postsecondary Historians Librarians



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**Business Management & Administration**  
**Career Cluster Program of Study Template**  
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Secondary	9	Literature & Composition I Honors Literature and Composition Academic Literacy	Algebra I Honors Algebra I Honors Geometry Honors Algebra II	Physical Science Honors Biology	World History Honors World History	Comprehensive Physical Education Fine Arts	North County Tech <a href="http://www.northtechnical.org">www.northtechnical.org</a>	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:	
	10	Literature & Comp II Honors Lit & Comp II	Geometry Honors Geometry Algebra II Honors Algebra II Pre-Calculus Probability and Statistics	Biology Honors Biology Chemistry Honors Chemistry Physics Honors Physics	US History Honors US History AP US History	Health	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other:	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Project Lead the Way <input type="checkbox"/> Pro Start <input type="checkbox"/> Other:	
	11	American Literature & Composition AP Language & Composition	Algebra II Honors Algebra II College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology Lab Chemistry Honors Chemistry AP Chemistry/Lab Physics Honors Physics AP Physics/Lab Anatomy/Physiology Ecology	Government AP Government	Personal Finance Computer Applications I & II Accounting I Business Management Entrepreneurship	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:	Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> TSA <input type="checkbox"/> Other:	
	12	World Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology/Lab AP Chemistry/Lab Physics Honors Physics AP Physics/Lab Anatomy/Physiology Ecology	Computer Applications I & II Accounting I & II Business Writing Business Management Entrepreneurship Supervised Business Employment				

◆ Articulated Credit   ★ Dual Credit

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Postsecondary Offerings – For A Complete Listing, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>			
Community College	Technical School/Training Institution	In State	Out of State/Other
Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a> Metropolitan Community College <a href="http://www.mccc.kc.edu">www.mccc.kc.edu</a> Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a> Moberly Area Community College <a href="http://www.macc.edu">www.macc.edu</a> North Central Missouri College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a> Ozarks Technical Comm College <a href="http://www.otc.edu">www.otc.edu</a> St. Charles Community College <a href="http://www.stchas.edu">www.stchas.edu</a> St. Louis Community College <a href="http://www.slccc.edu">www.slccc.edu</a> State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a> Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>	Cape Girardeau Career/Tech Center <a href="http://www.cape.k12.mo.us/cc/default.htm">www.cape.k12.mo.us/cc/default.htm</a> Clinton Tech School <a href="http://www.clinton.k12.mo.us">www.clinton.k12.mo.us</a> Eldon Career Center - <a href="http://www.eldoncareercenter.org">www.eldoncareercenter.org</a> Franklin Technology- MSSU <a href="http://www.ftcpln.com">www.ftcpln.com</a> Grand River Technical School <a href="http://www.grts.org">www.grts.org</a> Hillyard Technical Center <a href="http://www.hillyardtech.com">www.hillyardtech.com</a> Kirksville Area Tech Center <a href="http://www.kirksville.k12.mo.us">www.kirksville.k12.mo.us</a> Lex La-Ray Tech Center <a href="http://www.lexington.k12.mo.us">www.lexington.k12.mo.us</a> Moberly Area Tech Center <a href="http://www.moberly.k12.mo.us">www.moberly.k12.mo.us</a> Northwest Tech School - <a href="http://www.maryville.k12.mo.us">www.maryville.k12.mo.us</a> Pike-Lincoln Tech Center <a href="http://www.pltc.k12.mo.us">www.pltc.k12.mo.us</a> Ranken Tech College - <a href="http://www.ranken.edu">www.ranken.edu</a> Saline County Career Center <a href="http://www.marshallschools.com/sccc">www.marshallschools.com/sccc</a> Sikeston Career and Technology Center <a href="http://www.sikeston.k12.mo.us">www.sikeston.k12.mo.us</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a> Baptist Bible College - <a href="http://www.baptist.edu">www.baptist.edu</a> Bryan College - <a href="http://www.bryancollege.com">www.bryancollege.com</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a> Columbia College - <a href="http://www.ccol.edu">www.ccol.edu</a> Culver-Stockton College - <a href="http://www.culver.edu">www.culver.edu</a> DeVry University - <a href="http://www.devry.edu">www.devry.edu</a> Drury University - <a href="http://www.drury.edu">www.drury.edu</a> Evangelical University - <a href="http://www.evangel.edu">www.evangel.edu</a> Everest College - <a href="http://www.everest-college.com">www.everest-college.com</a> Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Hannibal-Lagrange College - <a href="http://www.hlc.edu">www.hlc.edu</a> Harris-Stowe State Univ - <a href="http://www.hssu.edu">www.hssu.edu</a> Hickey College - <a href="http://www.hickeycollege.edu">www.hickeycollege.edu</a> Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Maryville Univ of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Messenger College <a href="http://www.messengercollege.edu">www.messengercollege.edu</a> Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a> Missouri College <a href="http://www.missouricollege.com">www.missouricollege.com</a> MO Southern State Univ - <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a> Missouri State University – West Plains <a href="http://www.wp.missouristate.edu">www.wp.missouristate.edu</a>	<ul style="list-style-type: none"> <li>Apprenticeship</li> <li>Military</li> <li>On-the-Job Training</li> </ul> Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a> Darby School <a href="http://www.darbyhschool.com">www.darbyhschool.com</a> Grantham University <a href="http://www.grantham.edu">www.grantham.edu</a> ITT Technical Institute <a href="http://www.itt-tech.edu">www.itt-tech.edu</a> Metro Business College <a href="http://www.metrobusinesscollege.edu">www.metrobusinesscollege.edu</a> MVC Computer & Business School <a href="http://www.mvcschool.com">www.mvcschool.com</a> National American University <a href="http://www.national.edu">www.national.edu</a> TechSkills <a href="http://www.techskills.com">www.techskills.com</a> Texas County Technical Institute <a href="http://www.texascountytech.edu">www.texascountytech.edu</a>

Sample Careers By Educational Level – For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>			
On-the-Job Training	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Billing Clerks Bookkeeping and Accounting Clerks Computer Operators Copy Machine Operators Couriers and Messengers Delta Entry File Clerks General Office Clerks Human Resources Assistants Interviewing Clerks Mail Clerks Order Clerks and Stock Clerks Payroll and Timekeeping clerks Receptionists Secretaries Shipping and Receiving Clerks Typists	Court Reporters First-Line Supervisors/Managers General and Operations Managers Production and Operating Workers	Administrative Services Managers Advertising Managers Business Executives Computer and Information Systems Managers Employee Training Specialists Employment Interviewers and Recruiters Human Resources Managers Job Benefits and Analysis Specialists Management Analysts Market Research Analysts Meeting and Convention Planners Property and Real Estate Managers Public Relations Managers, Specialists Purchasing Manager and Sales Managers Regulatory Affairs Specialists Social and Community Services Managers Storage and Distribution Managers	Business Teacher, Postsecondary Chief Executives Controller, Treasurers Economists Medical and Health Services Managers Operations Research Analysts Statisticians



**University City High School  
Education & Training  
Career Cluster Program of Study Template  
www.ucityschools.org**

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY					It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.	
Grade	English Language Arts	Math	Science	Social Studies	Required Courses, Elective Options	Career Center	Additional Learning Opportunities	
<b>Secondary</b>	<b>9</b>	Literature & Composition I Honors Literature and Composition Academic Literacy	Algebra I Honors Algebra I Honors Geometry Honors Algebra II	Physical Science Honors Biology	World History Honors World History	Comprehensive Physical Education Fine Art ♦ Computer Applications I & II	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____	
	<b>10</b>	Literature & Comp II Honors Lit & Comp II	Geometry Honors Geometry Algebra II Honors Algebra II Pre-Calculus Probability and Statistics	Biology Honors Biology Chemistry Honors Chemistry Physics Honors Physics	US History Honors US History AP US History	Health ♦ Computer Applications I & II Nutrition & Wellness	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____	
	<b>11</b>	American Literature & Composition AP Language & Composition	Algebra II Honors Algebra II ♦ College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology Lab Chemistry Honors Chemistry AP Chemistry/Lab Physics Honors Physics AP Physics Lab ♦ Anatomy/Physiology Ecology	Government AP Government	Personal Finance ♦ Computer Applications I & II Nutrition & Wellness Parenting Child Development Sociology Psychology African American Experience	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Project Lead the Way <input type="checkbox"/> Pro Start <input type="checkbox"/> Other: _____	
	<b>12</b>	World Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II ♦ College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology/Lab AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ♦ Anatomy/Physiology Ecology	♦ Computer Applications I & II Nutrition & Wellness Parenting Child Development Sociology Psychology African American Experience	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____	Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> TSA <input type="checkbox"/> Other: _____	

♦ Articulated Credit   ♦ Dual Credit

Revised 1.4.16



Postsecondary Offerings - For A Complete Listing, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> .				
Community College	Technical School/Training Institution	In State	Out of State/Other	
<p>Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a></p> <p>East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a></p> <p>Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a></p> <p>Metropolitan Community College <a href="http://www.mccc.edu">www.mccc.edu</a></p> <p>Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a></p> <p>Moberly Area Community College <a href="http://www.macc.edu">www.macc.edu</a></p> <p>North Central Missouri College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a></p> <p>Ozarks Tech Community College <a href="http://www.otc.edu">www.otc.edu</a></p> <p>St. Charles Community College <a href="http://www.stchas.edu">www.stchas.edu</a></p> <p>St. Louis Community College <a href="http://www.slcc.edu">www.slcc.edu</a></p> <p>State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a></p> <p>Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a></p>	<p>Avila University - <a href="http://www.avila.edu">www.avila.edu</a></p> <p>Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a></p> <p>College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a></p> <p>Cortney College - <a href="http://www.cottey.edu">www.cottey.edu</a></p> <p>Culver-Stockton College <a href="http://www.culver.edu">www.culver.edu</a></p> <p>Drury University - <a href="http://www.drury.edu">www.drury.edu</a></p> <p>Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a></p> <p>Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a></p> <p>Hannibal-Lagrange College <a href="http://www.hlc.edu">www.hlc.edu</a></p> <p>Harris-Stowe State Univ - <a href="http://www.hssu.edu">www.hssu.edu</a></p> <p>Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a></p> <p>Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a></p> <p>Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a></p> <p>Maryville University of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a></p> <p>Messenger College <a href="http://www.messengercollege.edu">www.messengercollege.edu</a></p> <p>MO Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a></p> <p>Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a></p> <p>Missouri State University - West Plains <a href="http://www.wp.missouristate.edu">www.wp.missouristate.edu</a></p> <p>Missouri Valley College - <a href="http://www.moyal.edu">www.moyal.edu</a></p> <p>Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a></p>	<p>Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a></p> <p>Park University - <a href="http://www.park.edu">www.park.edu</a></p> <p>Rockhurst University <a href="http://www.rockhurst.edu">www.rockhurst.edu</a></p> <p>Saint Louis Univ - <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a></p> <p>St. Louis Christian College <a href="http://www.slcconline.edu">www.slcconline.edu</a></p> <p>Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a></p> <p>Southwest Baptist University <a href="http://www.sbuiv.edu">www.sbuiv.edu</a></p> <p>Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a></p> <p>Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a></p> <p>Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a></p> <p>University of MO - Columbia <a href="http://www.missouri.edu">www.missouri.edu</a></p> <p>University of MO - Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a></p> <p>University of MO - St. Louis <a href="http://www.umsi.edu">www.umsi.edu</a></p> <p>Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a></p> <p>Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a></p> <p>Webster University <a href="http://www.websteruniv.edu">www.websteruniv.edu</a></p> <p>William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a></p> <p>William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a></p>	<ul style="list-style-type: none"> <li>• Apprenticeship</li> <li>• Military</li> <li>• On-the-Job Training</li> </ul> <p>Baptist Bible College &amp; Graduate School <a href="http://www.baptist.edu">www.baptist.edu</a></p> <p>Calvary Bible College and Theological Seminary - <a href="http://www.calvary.edu">www.calvary.edu</a></p> <p>Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a></p> <p>Conception Seminary College <a href="http://www.conceptionabbey.org">www.conceptionabbey.org</a></p> <p>Grantham University <a href="http://www.grantham.edu">www.grantham.edu</a></p> <p>National American University <a href="http://www.national.edu">www.national.edu</a></p> <p>Paris II Educational Center <a href="http://www.parisii.net">www.parisii.net</a></p> <p>Wentworth Military Academy <a href="http://www.wma1880.org">www.wma1880.org</a></p>	
Postsecondary				
Sample Careers By Educational Level - For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
<p>Audi-Visual Specialists</p> <p>Coaches and Scouts</p> <p>Library Assistant</p> <p>Teacher Aides</p>	<p>Adult and Vocational Education Instructors</p> <p>Fitness Trainers and Aerobics Instructors</p> <p>Library Technical Assistants</p> <p>Preschool Teachers</p> <p>Teacher Assistants</p>	<p>Adult and Vocational Education Instructors</p> <p>Adult Literacy, Remedial Education, GED Teachers</p> <p>Audio-Visual Specialists</p> <p>Education Administrators</p> <p>Elementary School Teachers</p> <p>Employee Training Specialists</p> <p>High School Teachers</p> <p>Kindergarten Teachers</p> <p>Middle School Teachers</p> <p>Poets, Lyricists, and Creative Writer</p> <p>Public Health Educators</p> <p>Special Education Teachers</p>	<p>Adult and Vocational Education Instructors</p> <p>Audiologists</p> <p>Coaches and Scouts</p> <p>College and University Administrators</p> <p>Curriculum and Instruction</p> <p>Dieticians and Nutritionists</p> <p>Education Administrators</p> <p>Histarians</p> <p>Instructional Coordinators</p> <p>Librarians</p> <p>School Psychologists</p> <p>Speech Pathologists</p> <p>Teacher</p>	



**University City High School**  
**Finance**  
**Career Cluster Program of Study Template**  
[www.ucityschools.org](http://www.ucityschools.org)

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.	
Grade	English Language Arts	Math	Science	Social Studies	Required Courses, Elective Options	Career Center	Additional Learning Opportunities		
Secondary	9	Literature & Composition I Honors Literature and Composition Academic Literacy	Algebra I Honors Algebra I Honors Geometry Honors Algebra II	Physical Science Honors Biology	World History Honors World History	North County Tech <a href="http://www.northtechnical.org">www.northtechnical.org</a>	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:		
	10	Literature & Comp II Honors Lit & Comp II	Geometry Honors Geometry Algebra II Honors Algebra II Pre-Calculus Probability and Statistics	Biology Honors Biology Chemistry Honors Chemistry Physics Honors Physics	Health ♦ Computer Applications I & II ♦ Accounting I		Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other:  Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Project Lead the Way <input type="checkbox"/> Pro Start <input type="checkbox"/> Other:		
	11	American Literature & Composition AP Language & Composition	Algebra II Honors Algebra II ♦ College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology Lab Chemistry Honors Chemistry AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ♦ Anatomy/Physiology Ecology	Government AP Government	Personal Finance ♦ Computer Applications I & II ♦ Accounting I & II		Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:	
	12	World Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II ♦ College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology/Lab AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ♦ Anatomy/Physiology Ecology	♦ Computer Applications I & II ♦ Accounting I & II Supervised Business Employment			Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> TSA <input type="checkbox"/> Other:	

♦ Articulated Credit   ♦ Dual Credit

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Postsecondary Offerings – For A Complete Listing, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
Community College	Technical School	In State	Out of State/Other	
Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a> Metropolitan Community College <a href="http://www.mccc.edu">www.mccc.edu</a> Moberly Area Community College <a href="http://www.macc.edu">www.macc.edu</a> North Central Missouri College <a href="http://www.ncmmissouri.edu">www.ncmmissouri.edu</a> Ozarks Technical Comm College <a href="http://www.otc.edu">www.otc.edu</a> St Louis Community College <a href="http://www.slcc.edu">www.slcc.edu</a> St. Charles Community College <a href="http://www.stchas.edu">www.stchas.edu</a> State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a> Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> Columbia College - <a href="http://www.ccls.edu">www.ccls.edu</a> College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a> Culver-Stockton College <a href="http://www.culver.edu">www.culver.edu</a> DeVry University - <a href="http://www.devry.edu">www.devry.edu</a> Drury University - <a href="http://www.drury.edu">www.drury.edu</a> Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a> Everest College <a href="http://www.everest-college.com">www.everest-college.com</a> Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Hannibal-Lagrange College <a href="http://www.hlc.edu">www.hlc.edu</a> Hickey College - <a href="http://www.hickeycollege.edu">www.hickeycollege.edu</a> Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Maryville University of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Missouri College <a href="http://www.missouricollege.com">www.missouricollege.com</a> MO Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a> Missouri Valley College <a href="http://www.moval.edu">www.moval.edu</a> Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a>	Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a> Park University - <a href="http://www.park.edu">www.park.edu</a> Rockhurst University <a href="http://www.rockhurst.edu">www.rockhurst.edu</a> Saint Louis University <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a> Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a> Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a> Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a> Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a> Univ of MO – Columbia <a href="http://www.missouri.edu">www.missouri.edu</a> University of MO – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a> Univ of MO – Rolla – <a href="http://www.umr.edu">www.umr.edu</a> Univ of MO – St Louis - <a href="http://www.umsi.edu">www.umsi.edu</a> Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a> Webster University - <a href="http://www.websteruniv.edu">www.websteruniv.edu</a> Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a> William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a> William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a> Vatterott College <a href="http://www.vatterott-college.edu">www.vatterott-college.edu</a>	<ul style="list-style-type: none"> <li>• Apprenticeship</li> <li>• Military</li> <li>• On-the-Job Training</li> </ul> Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a> National American University <a href="http://www.national.edu">www.national.edu</a>	
Sample Careers By Educational Level – For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
On-the-Job Training	Technical or Associate Degree	Bachelors Degree	Masters Degree or More	
Bank Tellers Bill and Account Collectors Brokerage Clerks Credit Checkers and Authorizers Insurance Adjusters and Examiners Insurance Claims Clerk Insurance Policy and Claims Clerks Loan Clerks Tax Preparers Title Examiners and Searchers	Claims Examiners, Property and Casualty Insurance Insurance Appraisers, Auto Damage Insurance Sales Agents Insurance Underwriters	Accountants and Auditors Appraisers and Assessors Budget Analysts Credit Analysts Financial Analysts Financial Examiners Financial Managers Insurance Agents Insurance Underwriters Loan Officers Securities Salespeople	Actuaries Business Teacher, Postsecondary Economists Treasurers and Controllers	



**University High School  
Government & Public Administration  
Career Cluster Program of Study Template**  
www.ucityschools.org

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.	
Grade	English Language Arts	Math	Science	Social Studies	Required Courses, Elective Options	Career Center	Additional Learning Opportunities		
Secondary	9	Literature & Composition I Honors Literature and Composition Academic Literacy	Algebra I Honors Algebra I Honors Geometry Honors Algebra II	Physical Science Honors Biology	World History Honors World History	Comprehensive Physical Education Fine Arts	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:		
	10	Literature & Comp II Honors Lit & Comp II	Geometry Honors Geometry Algebra II Honors Algebra II Pre-Calculus Probability and Statistics	Biology Honors Biology Chemistry Honors Chemistry Physics Honors Physics	US History Honors US History AP US History	Health Foreign Language	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other:  Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Project Lead the Way <input type="checkbox"/> Pro Start <input type="checkbox"/> Other:		
	11	American Literature & Composition AP Language & Composition	Algebra II Honors Algebra II ★ College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology Lab Chemistry Honors Chemistry AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ★ Anatomy/Physiology Ecology	Government AP Government	Personal Finance Foreign Language Sociology Psychology Law & You	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:		
	12	World Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II ★ College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology/Lab AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ★ Anatomy/Physiology Ecology	Foreign Language Sociology Psychology Law & You	Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> TSA <input type="checkbox"/> Other:			

◆ Articulated Credit   ★ Dual Credit

Revised 1.4.16



Postsecondary Offerings – For A Complete Listing, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
Community College	Technical School/Training Institution	In State		Out of State/Other
Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Moberly Area Community College <a href="http://www.macc.edu">www.macc.edu</a>	Cape Girardeau Career/Tech Center <a href="http://www.cape.k12.mo.us/cc/default.htm">www.cape.k12.mo.us/cc/default.htm</a> Clinton Technical School <a href="http://www.ed2go.com/cts">www.ed2go.com/cts</a> Franklin Technology – MSSU <a href="http://www.ftgoplin.com">www.ftgoplin.com</a> Grand River Technical School <a href="http://www.grts.org">www.grts.org</a> Hilliard Technical Center <a href="http://www.hilliardtech.com">www.hilliardtech.com</a> Lex La-Ray Technical Center <a href="http://www.lexington.k12.mo.us">www.lexington.k12.mo.us</a> Moberly Area Technical Center <a href="http://www.moberly.k12.mo.us">www.moberly.k12.mo.us</a> Pike-Lincoln Technical Center <a href="http://pltc.k12.mo.us">http://pltc.k12.mo.us</a> Saline County Career Center <a href="http://www.marshallschools.com/sccc">www.marshallschools.com/sccc</a> Sikeston Career & Technology Center <a href="http://www.sikeston.k12.mo.us">www.sikeston.k12.mo.us</a>	Avila University <a href="http://www.avila.edu">www.avila.edu</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> College of the Ozarks <a href="http://www.cofc.edu">www.cofc.edu</a> Columbia College <a href="http://www.ccs.edu">www.ccs.edu</a> Culver-Stockton College <a href="http://www.culver.edu">www.culver.edu</a> Drury University <a href="http://www.drury.edu">www.drury.edu</a> Evangel University <a href="http://www.evangel.edu">www.evangel.edu</a> Everest College <a href="http://www.everest-college.edu">www.everest-college.edu</a> Fontbonne University <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Harris-Stowe State University <a href="http://www.hssu.edu">www.hssu.edu</a> Lincoln University <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood University <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Maryville University of Saint Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Missouri Baptist University <a href="http://www.mobap.edu">www.mobap.edu</a> Missouri Southern State University <a href="http://www.missu.edu">www.missu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a>	Missouri Valley College <a href="http://www.moval.edu">www.moval.edu</a> Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a> Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a> Park University <a href="http://www.park.edu">www.park.edu</a> Rockhurst University <a href="http://www.rockhurst.edu">www.rockhurst.edu</a> Saint Louis University <a href="http://www.imagine.slu.edu">www.imagine.slu.edu</a> Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a> Southwest Baptist University <a href="http://www.sbu.edu">www.sbu.edu</a> Stephens College <a href="http://www.stephens.edu">www.stephens.edu</a> Truman State University <a href="http://www.truman.edu">www.truman.edu</a> University of Central Missouri <a href="http://www.ucom.edu">www.ucom.edu</a> University of MO – Columbia <a href="http://www.missouri.edu">www.missouri.edu</a> University of Missouri – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a> University of MO – St. Louis <a href="http://www.umsl.edu">www.umsl.edu</a> Washington University <a href="http://www.wustl.edu">www.wustl.edu</a> Webster University <a href="http://www.webster.edu">www.webster.edu</a>	<ul style="list-style-type: none"> <li>Apprenticeship</li> <li>Military</li> <li>On-the-Job Training</li> </ul> ITT Technical Institute <a href="http://www.itt-tech.edu">www.itt-tech.edu</a> Kansas City Art Institute <a href="http://www.kcai.edu">www.kcai.edu</a> National American University <a href="http://www.national.edu">www.national.edu</a>
<b>Postsecondary</b>				
Sample Careers By Educational Level – For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
Compliance Officers and Inspectors Government Benefits Interviewers Interpreters and Translators License Clerks Mail Carriers Meter Readers Postal Clerks	Assessors Eligibility Interviewers, Government Programs General, Operations and Transportation Managers Government Property Inspectors and Investigators Licensing Examiners and Inspectors Mapping Technicians Municipal and Court Clerks Postmasters and Mail Superintendents Surveying Technicians Tax Examiners, Collectors, and Revenue Agents Tax Preparers	Administrative Services Managers Broadcast News Analysts & Public Relations Specialists City and Regional Planning Aides Emergency Management Specialists Equal Opportunity Representatives and Officers Financial Examiners Legislators Reporters and Correspondents Social and Community Service Managers Storage and Distribution Managers Urban and Regional Planners	Architecture Teachers, Postsecondary Chief Executives Communications Teachers, Postsecondary Coroners Economists Engineering Managers Political Science Teachers, Postsecondary Political Scientists	



**University City High School**  
**Health Sciences**  
**Career Cluster Program of Study Template**  
[www.ucityschools.org](http://www.ucityschools.org)

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY					
		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.					
Grade	English Language Arts	Math	Science	Social Studies	Required Courses, Elective Options	Career Center	Additional Learning Opportunities
<b>Secondary</b>	<b>9</b>	Literature & Composition I Honors Literature and Composition Academic Literacy	Algebra I Honors Algebra I Honors Geometry Honors Algebra II	Physical Science Honors Biology	World History Honors World History	Comprehensive Physical Education Fine Arts Personal Fitness	North County Tech <a href="http://www.northtechnical.org">www.northtechnical.org</a>  South County Tech <a href="http://www.southtechhigh.org">www.southtechhigh.org</a>  School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	<b>10</b>	Literature & Comp II Honors Lit & Comp II	Geometry Honors Geometry Algebra II Honors Algebra II Pre-Calculus Probability and Statistics	Biology Honors Biology Chemistry Honors Chemistry Physics Honors Physics	US History Honors US History AP US History	Health  Personal Fitness Nutrition & Wellness	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____  Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Project Lead the Way <input type="checkbox"/> Pro Start <input type="checkbox"/> Other: _____
	<b>11</b>	American Literature & Composition AP Language & Composition	Algebra II Honors Algebra II College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology Lab Chemistry Honors Chemistry AP Chemistry Lab Physics Honors Physics AP Physics Lab Anatomy/Physiology Ecology	Government AP Government	Personal Finance Personal Fitness Nutrition & Wellness Anatomy & Physiology Parenting Child Development I	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____  Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> TSA <input type="checkbox"/> Other: _____
	<b>12</b>	World Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology Lab AP Chemistry Lab Physics Honors Physics AP Physics Lab Anatomy/Physiology Ecology	Personal Fitness Nutrition & Wellness Anatomy & Physiology Parenting Child Development I		

Postsecondary Offerings - For A Complete Listing, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> .			
Community College	Technical School/Training Institution	In State	Out of State/Other
Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a>	Cape Girardeau Career/Tech Center <a href="http://www.cape.k12.mo.us/cc/default.htm">www.cape.k12.mo.us/cc/default.htm</a>	Missouri Valley College - <a href="http://www.moval.edu">www.moval.edu</a>	Apprenticeship
East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a>	Cass Career Center <a href="http://www.harrisonville.k12.mo.us">www.harrisonville.k12.mo.us</a>	Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a>	Military
Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a>	Columbia Career Center <a href="http://www.career-center.org">www.career-center.org</a>	Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a>	On-the-Job Training
Metropolitan Comm College <a href="http://www.mccckc.edu">www.mccckc.edu</a>	Four Rivers Technical Center <a href="http://www.washington.k12.mo.us">www.washington.k12.mo.us</a>	Park University - <a href="http://www.park.edu">www.park.edu</a>	Allied College - <a href="http://www.hightechinstitute.edu">www.hightechinstitute.edu</a>
Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a>	Franklin Tech - MSSU <a href="http://www.ftcopolin.com">www.ftcopolin.com</a>	Patricia Stevens College <a href="http://www.patriciastevenscollege.edu">www.patriciastevenscollege.edu</a>	Barnes-Jewish College of Nursing & Allied Health - <a href="http://www.barnesjewishcollege.edu">www.barnesjewishcollege.edu</a>
Moberly Area Comm College <a href="http://www.macc.edu">www.macc.edu</a>	Grand River Tech School - <a href="http://www.grts.org">www.grts.org</a>	Rockhurst University - <a href="http://www.rockhurst.edu">www.rockhurst.edu</a>	Cleveland Chiropractic College <a href="http://www.cleveland.edu">www.cleveland.edu</a>
North Central MO College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a>	Herndon Career Center <a href="http://www.herndoncareercenter.com">www.herndoncareercenter.com</a>	Saint Louis Univ - <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a>	Colorado Tech Univ <a href="http://www.coloradotech.com">www.coloradotech.com</a>
Ozarks Tech Comm College <a href="http://www.etc.edu">www.etc.edu</a>	Hilliard Technical Center <a href="http://www.hilliardtech.com">www.hilliardtech.com</a>	Sanford-Brown College <a href="http://www.sanford-browncollege.com">www.sanford-browncollege.com</a>	Cox Health - <a href="http://www.coxhealth.com">www.coxhealth.com</a>
St. Charles Comm College <a href="http://www.stches.edu">www.stches.edu</a>	Kennett Career and Technology Center <a href="http://www.kennett.k12.mo.us">www.kennett.k12.mo.us</a>	Seahurst College - <a href="http://www.seahurst.edu">www.seahurst.edu</a>	Chamberlain College of Nursing <a href="http://www.chamberlain.edu">www.chamberlain.edu</a>
St. Louis Community College <a href="http://www.slcc.edu">www.slcc.edu</a>	Lex La-Ray Tech Ctr - <a href="http://www.lexington.k12.mo.us">www.lexington.k12.mo.us</a>	Southwest Baptist Univ - <a href="http://www.sbu.edu">www.sbu.edu</a>	Heritage Coll - <a href="http://www.heritage-college.com">www.heritage-college.com</a>
State Fair Community College <a href="http://www.safccmo.edu">www.safccmo.edu</a>	Moberly Area Tech Center <a href="http://www.moberly.k12.mo.us">www.moberly.k12.mo.us</a>	Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a>	Cox College of Nursing & Health Science <a href="http://www.coxcollege.edu">www.coxcollege.edu</a>
Three Rivers Comm College <a href="http://www.trcc.edu">www.trcc.edu</a>	Northland Career Center <a href="http://www.northlandcareercenter.com">www.northlandcareercenter.com</a>	Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a>	Logan Coll of Chiropractic - <a href="http://www.logan.edu">www.logan.edu</a>
	Northwest Tech School - <a href="http://www.maryville.k12.mo.us">www.maryville.k12.mo.us</a>	Univ of MO - Columbia - <a href="http://www.missouri.edu">www.missouri.edu</a>	Lutheran School of Nursing <a href="http://www.nursingschoolslmc.com">www.nursingschoolslmc.com</a>
	Poplar Bluff Schools - <a href="http://www.r1schools.org">www.r1schools.org</a>	Univ of MO - Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a>	Kansas City Univ of Med & Biosciences - <a href="http://www.kcumb.edu">www.kcumb.edu</a>
	Sikeston Career and Technology Center <a href="http://www.sikeston.k12.mo.us">www.sikeston.k12.mo.us</a>	Univ of Phoenix - <a href="http://www.phoenix.edu">www.phoenix.edu</a>	Research Med Ctr School of Nuclear Med <a href="http://www.researchmedicalcenter.com">www.researchmedicalcenter.com</a>
	South Central Career Center <a href="http://www.wphs.k12.mo.us">www.wphs.k12.mo.us</a>	Vatterott College <a href="http://www.vatterott-college.edu">www.vatterott-college.edu</a>	St John's Reg Health Ctr - <a href="http://www.stjohns.com">www.stjohns.com</a>
	Waynesville Technical Academy <a href="http://www.waynesville.k12.mo.us">www.waynesville.k12.mo.us</a>	Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a>	Saint Luke's College - <a href="http://www.saint-lukes.org">www.saint-lukes.org</a>

Sample Careers By Educational Level - For Occupational Specialties, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> or <a href="http://www.careerclusters.org">www.careerclusters.org</a>			
On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Dental Assistants	Cardiovascular Technologists	Administrative Services Managers	Athletic Trainers, Physical and Occupational Therapists
Dental Laboratory Technicians	Dental Hygienists	Athletic Trainers	Biologists, Physiologists, Epidemiologists
Home Health Aides	Emergency Medical Technicians	Biomedical Engineers	Clinical Psychologists and Mental Health Counselors
Medical Appliance Technicians	Health Information Technicians	Computer Programmers	Computer and Information Scientists, Research Dietitians and Nutritionists
Medical Assistants	Licensed Practical Nurses	Computer Software Engineers, Applications	Farm and Home Management Advisors
Medical Equipment Preparers	Medical Laboratory Technicians	Dietitians	Health Specialists Teachers, Postsecondary
Medical Secretaries	Medical Sonographers	Health Educators	Home Economics Teachers, Postsecondary
Personal and Home Care Aides	Medical Transcriptionists	Medical and Clinical Laboratory Technologists	Medical and Health Services Managers
Pharmacy Aides	Nursing Assistants	Medical Laboratory Technologists	Medical Sciences, Except Epidemiologists
Pharmacy Technicians	Occupational Therapist Assistants	Occupational Health and Safety Specialists	Natural Sciences Mgrs, Zoologists and Wildlife Biologists
Physical Therapist Aides	Physical Therapist Assistants	Orthotic and Prosthetic Specialists	Nurse Anesthetists and Physician Assistants
Psychiatric Aides	Radiation Therapists	Petroleum Engineers	Orthotics and Prosthetics
	Radiologic Technologists	Public Relations Specialists	Pharmacists
	Registered Nurses	Recreational Therapists	Speech-Language Pathologists
	Respiratory Therapists	Rehabilitation Counselors	Communications Teachers, Postsecondary
	Surgical Technologists		Veterinarians
	Veterinary Technologists and Technicians		





**University City High School**  
**Hospitality & Tourism**  
**Career Cluster Program of Study Template**  
[www.ucityschools.org](http://www.ucityschools.org)

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY					
		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.					
Grade	English Language Arts	Math	Science	Social Studies	Required Courses, Elective Options	Career Center	Additional Learning Opportunities
Secondary	9	Literature & Composition I Honors Literature and Composition Academic Literacy	Algebra I Honors Algebra I Honors Geometry Honors Algebra II	Physical Science Honors Biology	World History Honors World History	Comprehensive Physical Education Fine Arts  General Foods I & II Baking and Pastry	<b>School-Based:</b> <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:  <b>Community Based:</b> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other:  <b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Project Lead the Way <input type="checkbox"/> Pro Start <input type="checkbox"/> Other:  <b>Placement Assessments:</b> <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:  <b>Student Organizations:</b> <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> TSA <input type="checkbox"/> Other:
	10	Literature & Comp II Honors Lit & Comp II	Geometry Honors Geometry Algebra II Honors Algebra II Pre-Calculus Probability and Statistics	Biology Honors Biology Chemistry Honors Chemistry Physics Honors Physics	US History Honors US History AP US History	Health  General Foods I & II Baking & Pastry Nutrition& Wellness Entrepreneurship	
	11	American Literature & Composition AP Language & Composition	Algebra II Honors Algebra II ★ College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology Lab Chemistry Honors Chemistry AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ★ Anatomy/ Physiology Ecology	Government AP Government	Personal Finance  General Foods I & II Baking& Pastry Nutrition& Wellness Entrepreneurship Culinary Arts I (Pro Start I)	
	12	World Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II ★ College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology/Lab AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ★ Anatomy/ Physiology Ecology		General Foods I & II Baking & Pastry Nutrition and Wellness Entrepreneurship Culinary Arts I (Pro Start I) Culinary Arts II (Pro Start II)	

◆ Articulated Credit   ★ Dual Credit

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Postsecondary Offerings - For A Complete Listing, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
Community College	Technical School/Training Institution	In State		Out of State/Other
Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a> Metropolitan Community College <a href="http://www.mccc.kc.edu">www.mccc.kc.edu</a> Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a> Ozarks Tech Community College <a href="http://www.otc.edu">www.otc.edu</a> St Louis Community College <a href="http://www.slcc.edu">www.slcc.edu</a> Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>	Cape Girardeau Career/Tech Center <a href="http://www.cape.k12.mo.us/cc/default.htm">www.cape.k12.mo.us/cc/default.htm</a> Gibson Technical Center <a href="http://www.wolves.k12.mo.us/gtc">www.wolves.k12.mo.us/gtc</a> Lake Career and Technical Center <a href="http://www.camdentonschools.org">www.camdentonschools.org</a> Lebanon Technology Career Center <a href="http://www.lebanon.k12.mo.us">www.lebanon.k12.mo.us</a> Macon Area Vocational Technical School <a href="http://www.macon.k12.mo.us/vocational">www.macon.k12.mo.us/vocational</a> Northland Career Center <a href="http://www.northlandcareercenter.com">www.northlandcareercenter.com</a> Northwest Tech School - <a href="http://www.maryville.k12.mo.us">www.maryville.k12.mo.us</a> Nevada Regional Technical Center <a href="http://www.nevada.k12.mo.us">www.nevada.k12.mo.us</a> Pemiscot County Career & Tech Ctr <a href="http://www.wphs.k12.mo.us">www.wphs.k12.mo.us</a> South Central Career Center <a href="http://www.wphs.k12.mo.us">www.wphs.k12.mo.us</a> Waynesville Technical Academy <a href="http://www.waynesville.k12.mo.us">www.waynesville.k12.mo.us</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a> Columbia College - <a href="http://www.ccls.edu">www.ccls.edu</a> Culver-Stockton College <a href="http://www.culver.edu">www.culver.edu</a> Drury University - <a href="http://www.drury.edu">www.drury.edu</a> Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a> Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a> MO Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a> Missouri Valley College <a href="http://www.moval.edu">www.moval.edu</a> Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a> Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a>	Park University - <a href="http://www.park.edu">www.park.edu</a> Rockhurst University - <a href="http://www.rockhurst.edu">www.rockhurst.edu</a> Saint Louis Univ - <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a> Southeast MO State Univ - <a href="http://www.semo.edu">www.semo.edu</a> Southwest Baptist Univ - <a href="http://www.aburniv.edu">www.aburniv.edu</a> Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a> Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a> Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a> University of MO - Columbia <a href="http://www.missouri.edu">www.missouri.edu</a> Univ of MO - Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a> Univ of MO - St Louis - <a href="http://www.ums1.edu">www.ums1.edu</a> Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a> Webster University <a href="http://www.websteruniv.edu">www.websteruniv.edu</a> Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a> William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a> William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>	<ul style="list-style-type: none"> <li>Apprenticeship</li> <li>Military</li> <li>On-the-Job Training</li> </ul> Kansas City Art Institute <a href="http://www.kcai.edu">www.kcai.edu</a> LeClerc Culinaire <a href="http://www.lecleculinaire.com">www.lecleculinaire.com</a> Midwestern Baptist Theological Seminary - <a href="http://www.mbtis.edu">www.mbtis.edu</a>
Sample Careers By Educational Level - For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
Amusement and Recreation Workers Baggage Porters and Bellhops Bartenders Casino Gaming Workers Chiefs and Dinner Cooks Concierges Counter Attendants Fast Food Cooks Food Preparation Workers Hotel Desk Clerks Janitors and Cleaners Kitchen Helpers Maids and Housekeepers Professional Athletes Recreation Attendants Recreation Guides Recreation Workers Reservation and Ticket Agents Restaurant Hosts Tour Guides Umpires and Referees Waiters and Waitresses	Animal Trainers Casino Gaming Workers First-Line Supervisors/Managers of Housekeeping and Janitorial Workers Flight Attendants Food Service Managers Lodging Managers Reservation and Transportation Ticket Agents and Travel Clerks Residential Advisors Self Enrichment Education Teachers Travel Agents	Interpreters and Translators Meeting and Convention Planners Recreation Workers Set and Exhibit Designers Social and Community Service Managers	Farm and Home Management Advisors	



**University City High School**  
**Human Services**  
**Career Cluster Program of Study Template**  
[www.ucityschools.org](http://www.ucityschools.org)

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY					It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.	
Grade	English Language Arts	Math	Science	Social Studies	Required Courses, Elective Options	Career Center	Additional Learning Opportunities	
<b>Secondary</b>	<b>9</b>	Literature & Composition I Honors Literature and Composition Academic Literacy	Algebra I Honors Algebra I Honors Geometry Honors Algebra II	Physical Science Honors Biology	World History Honors World History	Comprehensive Physical Education Fine Arts Personal Fitness Nutrition & Wellness Fashion	North County Tech <a href="http://www.northtechnical.org">www.northtechnical.org</a> South County Tech <a href="http://www.southtechhigh.org">www.southtechhigh.org</a>	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:  Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other:  Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Project Lead the Way <input type="checkbox"/> Pro Start <input type="checkbox"/> Other:  Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:  Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> TSA <input type="checkbox"/> Other:
	<b>10</b>	Literature & Comp II Honors Lit & Comp II	Geometry Honors Geometry Algebra II Honors Algebra II Pre-Calculus Probability and Statistics	Biology Honors Biology Chemistry Honors Chemistry Physics Honors Physics	US History Honors US History AP US History	Health Nutrition & Wellness Fashion		
	<b>11</b>	American Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology Lab Chemistry Honors Chemistry AP Chemistry/Lab Physics Honors Physics AP Physics Lab Anatomy/Physiology Ecology	Government AP Government	Personal Finance Nutrition & Wellness Parenting Child Development I Fashion Entrepreneurship		
	<b>12</b>	World Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology/Lab AP Chemistry/Lab Physics Honors Physics AP Physics/Lab Anatomy/Physiology Ecology	Nutrition & Wellness Parenting Child Development I Fashion Entrepreneurship			

◆ Articulated Credit   ◆ Dual Credit

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Postsecondary Offerings - For A Complete Listing, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
Community College	Technical School/Training Institution	In State		Out of State/Other
<p>Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a></p> <p>East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a></p> <p>St Louis Community College <a href="http://www.slcc.edu">www.slcc.edu</a></p>	<p>Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a></p> <p>Davis Hart Career Center <a href="http://www.mexicoschools.net">www.mexicoschools.net</a></p> <p>Herndon Career Center <a href="http://www.herndoncareercenter.com">www.herndoncareercenter.com</a></p> <p>Heritage Tech Institute <a href="http://www.hightechinstitute.edu">www.hightechinstitute.edu</a></p> <p>Massage Therapy Training Institute <a href="http://www.massagetherapytraininginstitute.com">www.massagetherapytraininginstitute.com</a></p> <p>Midwest Institute <a href="http://www.midwestinstitute.com">www.midwestinstitute.com</a></p> <p>Neosho Beauty College <a href="http://www.neosho.edu">www.neosho.edu</a></p> <p>Paris II Educational Center - <a href="http://www.parisii.net">www.parisii.net</a></p> <p>Patsy &amp; Robs Academy of Beauty <a href="http://www.praob.edu">www.praob.edu</a></p> <p>Pinnacle Career Institute <a href="http://www.pcittraining.edu">www.pcittraining.edu</a></p> <p>Professional Massage Training Center <a href="http://www.pmtc.edu">www.pmtc.edu</a></p> <p>Regency Beauty Institute <a href="http://www.regencybeauty.com">www.regencybeauty.com</a></p> <p>St Charles School of Massage Therapy <a href="http://www.dayspaacademy.net">www.dayspaacademy.net</a></p>	<p>Allied College - <a href="http://www.alliedcollege.edu">www.alliedcollege.edu</a></p> <p>Avila University - <a href="http://www.avila.edu">www.avila.edu</a></p> <p>Central Bible College - <a href="http://www.cbccag.edu">www.cbccag.edu</a></p> <p>Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a></p> <p>College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a></p> <p>Columbia College - <a href="http://www.ccls.edu">www.ccls.edu</a></p> <p>Conception Seminary College <a href="http://www.conceptionabbey.org">www.conceptionabbey.org</a></p> <p>Culver-Stockton College <a href="http://www.culver.edu">www.culver.edu</a></p> <p>Drury University - <a href="http://www.drury.edu">www.drury.edu</a></p> <p>Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a></p> <p>Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a></p> <p>Hannibal-Lagrange College <a href="http://www.hlg.edu">www.hlg.edu</a></p> <p>Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a></p> <p>Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a></p> <p>Maryville University of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a></p> <p>Messenger College <a href="http://www.messengercollege.edu">www.messengercollege.edu</a></p> <p>Metro Business College <a href="http://www.metrobusinesscollege.edu">www.metrobusinesscollege.edu</a></p> <p>Midwest University - <a href="http://www.midwest.edu">www.midwest.edu</a></p> <p>Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a></p> <p>Missouri College <a href="http://www.missouricollege.com">www.missouricollege.com</a></p> <p>Missouri College of Cosmetology <a href="http://www.missouricosmo.com">www.missouricosmo.com</a></p> <p>MO Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a></p> <p>Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a></p> <p>Missouri Valley College <a href="http://www.moval.edu">www.moval.edu</a></p>	<p>Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a></p> <p>Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a></p> <p>Ozark Christian College - <a href="http://www.occ.edu">www.occ.edu</a></p> <p>Park University - <a href="http://www.park.edu">www.park.edu</a></p> <p>Rockhurst University <a href="http://www.rockhurst.edu">www.rockhurst.edu</a></p> <p>Saint Louis Christian College <a href="http://www.slccol.edu">www.slccol.edu</a></p> <p>St Louis College of Health Careers <a href="http://www.slchc.com">www.slchc.com</a></p> <p>Saint Louis Univ - <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a></p> <p>Sanford-Brown College <a href="http://www.sanford-browncollege.com">www.sanford-browncollege.com</a></p> <p>Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a></p> <p>Southwest Baptist University <a href="http://www.sbu.edu">www.sbu.edu</a></p> <p>Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a></p> <p>Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a></p> <p>University of MO - Columbia <a href="http://www.missouri.edu">www.missouri.edu</a></p> <p>University of MO - Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a></p> <p>Univ of MO - St Louis - <a href="http://www.umsf.edu">www.umsf.edu</a></p> <p>Vatterott College <a href="http://www.vatterott-college.edu">www.vatterott-college.edu</a></p> <p>Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a></p> <p>Webster University - <a href="http://www.websteruniv.edu">www.websteruniv.edu</a></p> <p>Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a></p> <p>William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a></p>	<ul style="list-style-type: none"> <li>Apprenticeship</li> <li>Military</li> <li>On-the-Job Training</li> </ul> <p>Aquinas Institute of Theology <a href="http://www.ai.edu">www.ai.edu</a></p> <p>Assemblies of God Theological Seminary - <a href="http://www.agts.edu">www.agts.edu</a></p> <p>Calvary Bible College &amp; Theological Seminary - <a href="http://www.calvary.edu">www.calvary.edu</a></p> <p>Chillicothe Beauty Academy <a href="http://www.chillicothebeautyacademy.com">www.chillicothebeautyacademy.com</a></p> <p>Concordia Seminary - <a href="http://www.csl.edu">www.csl.edu</a></p> <p>Cosmetology Concepts Institute <a href="http://www.cosmetology-concepts.com">www.cosmetology-concepts.com</a></p> <p>Covenant Theological Seminary <a href="http://www.covenantseminary.edu">www.covenantseminary.edu</a></p> <p>Eden Theological Seminary <a href="http://www.eden.edu">www.eden.edu</a></p> <p>Elaine Steven Beauty College <a href="http://www.elainestevenbeautycollege.com">www.elainestevenbeautycollege.com</a></p> <p>Grabber School of Hair Design <a href="http://www.grabberschool.com">www.grabberschool.com</a></p> <p>House of Heavlin Beauty College <a href="http://www.kc-hair.com">www.kc-hair.com</a></p> <p>Independence College of Cosmetology <a href="http://www.hair-skin-nails.com">www.hair-skin-nails.com</a></p> <p>Kerrick Glennon Seminary <a href="http://www.kerrick.edu">www.kerrick.edu</a></p> <p>Merrell University of Beauty Arts &amp; Science - <a href="http://www.merrelluniversity.edu">www.merrelluniversity.edu</a></p> <p>Midwestern Baptist Theological Seminary - <a href="http://www.mbt.edu">www.mbt.edu</a></p> <p>Nazarene Theological Seminary <a href="http://www.nts.edu">www.nts.edu</a></p> <p>St Paul School of Theology <a href="http://www.spst.edu">www.spst.edu</a></p>

## Postsecondary

Sample Careers By Educational Level – For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>			
On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
<p>Child Care Workers</p> <p>Customer Service Representatives</p> <p>Funeral Attendants</p> <p>Laundry and Dry Cleaning Workers</p> <p>Lifeguards and Other Recreational Protective Service Workers</p> <p>Residential Counselors</p> <p>Social and Human Service Assistants</p>	<p>Barbers</p> <p>Embalmers and Funeral Director</p> <p>Government Programs</p> <p>Hairstylists and Cosmetologists</p> <p>Manicurists</p> <p>Preschool Teacher</p> <p>Professional Makeup Artists</p> <p>Residential Advisors</p> <p>Skin Care Specialists</p> <p>Social and Human Service Assistants</p>	<p>Addition Counselors</p> <p>Director, Religious Activities and Education</p> <p>Early Childhood Educator</p> <p>Financial Counselors</p> <p>Health Educators</p> <p>Recreation Workers</p> <p>Rehabilitation Counselors</p> <p>Social and Community Service Manager</p> <p>Social Workers</p>	<p>Clergy</p> <p>Industrial-Organizational Psychologists</p> <p>Marriage and Family Therapists</p> <p>Mental Health Counselors</p> <p>Psychologists</p> <p>Rehabilitation Counselors</p> <p>School Counselors</p> <p>Social Workers</p> <p>Substance Abuse and Behavioral Disorder Counselors</p> <p>Teachers, Postsecondary</p>





**University City High School**  
**Information Technology**  
**Career Cluster Program of Study Template**  
[www.ucityschools.org](http://www.ucityschools.org)

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY					
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.							
Grade	English Language Arts	Math	Science	Social Studies	Required Courses, Elective Options	Career Center	Additional Learning Opportunities
Secondary	9	Literature & Composition I Honors Literature and Composition Academic Literacy	Algebra I Honors Algebra I Honors Geometry Honors Algebra II	Physical Science Honors Biology	World History Honors World History	Comprehensive Physical Education Fine Arts  ♦ Computer Applications I & II	North County Tech <a href="http://www.northtechnical.org">www.northtechnical.org</a>  South County Tech <a href="http://www.southtechhigh.org">www.southtechhigh.org</a>  School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:
	10	Literature & Comp II Honors Lit & Comp II	Geometry Honors Geometry Algebra II Honors Algebra II Pre-Calculus Probability and Statistics	Biology Honors Biology Chemistry Honors Chemistry Physics Honors Physics	US History Honors US History AP US History	Health  ♦ Computer Applications I & II	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other:  Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Project Lead the Way <input type="checkbox"/> Pro Start <input type="checkbox"/> Other:
	11	American Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II ♦ College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology Lab Chemistry Honors Chemistry AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ♦ Anatomy/Physiology Ecology	Government AP Government	Personal Finance  ♦ Computer Applications I & II Computer Programming Multimedia ♦ Web Design	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:
	12	World Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II ♦ College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology/Lab AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ♦ Anatomy/Physiology Ecology	♦ Computer Applications I & II Computer Programming Multimedia ♦ Web Design Supervised Business Employment	Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> TSA <input type="checkbox"/> Other:	

♦ Articulated Credit   ♦ Dual Credit

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Postsecondary Offerings – For A Complete Listing, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
Community College	Technical School/Training Institution	In State	Out of State/Other	
<p>Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a></p> <p>East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a></p> <p>Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a></p> <p>Linn State Technical College <a href="http://www.linnstate.edu">www.linnstate.edu</a></p> <p>Metropolitan Community College <a href="http://www.mccc.edu">www.mccc.edu</a></p> <p>Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a></p> <p>Moberly Area Community College <a href="http://www.macc.edu">www.macc.edu</a></p> <p>North Central Missouri College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a></p> <p>Ozarks Technical Comm College <a href="http://www.otc.edu">www.otc.edu</a></p> <p>St. Charles Community College <a href="http://www.stchas.edu">www.stchas.edu</a></p> <p>St. Louis Community College <a href="http://www.slcc.edu">www.slcc.edu</a></p> <p>State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a></p> <p>Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a></p>	<p>Davis Hart Career Center <a href="http://www.mexicohschools.net">www.mexicohschools.net</a></p> <p>Herndon Career Center <a href="http://www.herndoncareercenter.com">www.herndoncareercenter.com</a></p> <p>Kirkville Area Tech Center <a href="http://www.kirkville.k12.mo.us">www.kirkville.k12.mo.us</a></p> <p>Waynesville Technical Academy <a href="http://www.waynesville.k12.mo.us">www.waynesville.k12.mo.us</a></p>	<p>A.T. Skill University of Health Sciences <a href="http://www.atsu.edu">www.atsu.edu</a></p> <p>Avila University - <a href="http://www.avila.edu">www.avila.edu</a></p> <p>Bryan College - <a href="http://www.bryancollege.com">www.bryancollege.com</a></p> <p>Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a></p> <p>College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a></p> <p>Columbia College - <a href="http://www.ccls.edu">www.ccls.edu</a></p> <p>Culver-Stockton College - <a href="http://www.culver.edu">www.culver.edu</a></p> <p>DeVry University - <a href="http://www.devry.edu">www.devry.edu</a></p> <p>Drury University - <a href="http://www.drury.edu">www.drury.edu</a></p> <p>Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a></p> <p>Everest College <a href="http://www.everest-college.com">www.everest-college.com</a></p> <p>Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a></p> <p>Hannibal-Lagrange College <a href="http://www.hlg.edu">www.hlg.edu</a></p> <p>Harris-Stowe State Univ - <a href="http://www.hssau.edu">www.hssau.edu</a></p> <p>Hickey College - <a href="http://www.hickeycollege.edu">www.hickeycollege.edu</a></p> <p>Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a></p> <p>Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a></p> <p>Maryville Univ of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a></p> <p>Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a></p> <p>Missouri College <a href="http://www.missouricollege.com">www.missouricollege.com</a></p> <p>MO Southern State University <a href="http://www.mssau.edu">www.mssau.edu</a></p> <p>Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a></p> <p>Missouri State University - West Plains <a href="http://www.wp.missouristate.edu">www.wp.missouristate.edu</a></p> <p>Missouri Valley College <a href="http://www.moval.edu">www.moval.edu</a></p>	<p>Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a></p> <p>Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a></p> <p>Park University - <a href="http://www.park.edu">www.park.edu</a></p> <p>Rockhurst University - <a href="http://www.rockhurst.edu">www.rockhurst.edu</a></p> <p>Saint Louis University <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a></p> <p>Sanford-Brown College <a href="http://www.aanford-browncollege.com">www.aanford-browncollege.com</a></p> <p>Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a></p> <p>Southwest Baptist University <a href="http://www.sbu.edu">www.sbu.edu</a></p> <p>Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a></p> <p>Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a></p> <p>University of MO - Columbia <a href="http://www.missouri.edu">www.missouri.edu</a></p> <p>University of MO - Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a></p> <p>Univ of MO - Rolla - <a href="http://www.umr.edu">www.umr.edu</a></p> <p>Univ of MO - St. Louis - <a href="http://www.umsf.edu">www.umsf.edu</a></p> <p>Univ of Phoenix - <a href="http://www.phoenix.edu">www.phoenix.edu</a></p> <p>Vatterott College <a href="http://www.vatterott-college.edu">www.vatterott-college.edu</a></p> <p>Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a></p> <p>Webster University <a href="http://www.websteruniv.edu">www.websteruniv.edu</a></p> <p>Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a></p> <p>William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a></p> <p>William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a></p>	<ul style="list-style-type: none"> <li>Apprenticeship</li> <li>Military</li> <li>On-the-Job Training</li> </ul> <p>Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a></p> <p>Grantham University <a href="http://www.grantham.edu">www.grantham.edu</a></p> <p>ITT Technical Institute <a href="http://www.itt-tech.edu">www.itt-tech.edu</a></p> <p>Kansas City Art Institute <a href="http://www.kcai.edu">www.kcai.edu</a></p> <p>Midwest Institute <a href="http://www.midwestinstitute.com">www.midwestinstitute.com</a></p> <p>Missouri Tech <a href="http://www.motech.edu">www.motech.edu</a></p> <p>National American University <a href="http://www.national.edu">www.national.edu</a></p> <p>Pinnacle Career Institute <a href="http://www.pctraining.edu">www.pctraining.edu</a></p> <p>Texas County Technical Institute <a href="http://www.texascountytech.edu">www.texascountytech.edu</a></p>

Sample Careers By Educational Level – For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
On-the-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
<p>Computer Operators</p> <p>Computer Support Specialists</p> <p>Network Systems and Data Communications Analysts</p> <p>Numerical Tool and Process Control Programmers</p> <p>Web Administrators</p> <p>Web Developers</p>	<p>Computer and Information Systems Managers</p> <p>Computer Engineers</p> <p>Computer Programmers</p> <p>Computer Security Specialists</p> <p>Computer Software Engineers</p> <p>Computer Systems Administrators</p> <p>Computer Systems Analysts</p> <p>Data Communications analysts</p> <p>Database Administrators</p> <p>Graphic Designers</p> <p>Multi-Media Artists and Animators</p> <p>Network and Computer Systems Administrators</p> <p>Software Quality Assurance Engineers and Testers</p>	<p>Computer and Information Scientists, Research</p> <p>Computer Science Teachers, Postsecondary</p> <p>Engineering Managers</p>		



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**Law, Public Safety, Corrections & Security**  
**Career Cluster Program of Study Template**  
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Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY					
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.							
Grade	English Language Arts	Math	Science	Social Studies	Required Courses, Elective Options	Career Center	Additional Learning Opportunities
Secondary	9	Literature & Composition I Honors Literature and Composition Academic Literacy	Algebra I Honors Algebra I Honors Geometry Honors Algebra II	Physical Science Honors Biology	World History Honors World History	Comprehensive Physical Education Fine Arts	North County Tech <a href="http://www.northtechnical.org">www.northtechnical.org</a>  South County Tech <a href="http://www.southtechhigh.org">www.southtechhigh.org</a>  School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:
	10	Literature & Comp II Honors Lit & Comp II	Geometry Honors Geometry Algebra II Honors Algebra II Pre-Calculus Probability and Statistics	Biology Honors Biology Chemistry Honors Chemistry Physics Honors Physics	US History Honors US History AP US History	Health	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other:  Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Project Lead the Way <input type="checkbox"/> Pro Start <input type="checkbox"/> Other:
	11	American Literature & Composition AP Language & Composition	Algebra II Honors Algebra II ● College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology Lab Chemistry Honors Chemistry AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ● Anatomy/Physiology Ecology	Government AP Government	Personal Finance Law & You Psychology Sociology	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:  Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> TSA <input type="checkbox"/> Other:
	12	World Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II ● College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology/Lab AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ● Anatomy/Physiology Ecology	Law & You Psychology Sociology		

◆ Articulated Credit   ★ Dual Credit

Revised 1.4.16



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Sample Careers By Educational Level - For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
Ambulance Drivers Animal Control Workers Bailiffs Corrections Officers Court Clerks Crossing Guards Fire Fighters Forest Fire Fighters Gaming Surveillance Officers and Gaming Investigators Life Guards and Ski Patrolters Parking Enforcement Officers Parking Enforcement Workers Police, Fire, and Ambulance Dispatchers Security Guards Sheriffs Transportation Security Agents	Correctional Officers and Jailers Court Reporters Emergency Medical Technicians and Paramedics Fire Inspectors Fire Investigators First-Line Supervisors/Managers of Police and Detectives Forest Fire Fighting and Prevention Supervisors Forest Fire Inspectors and Prevention Specialists Legal Secretaries Municipal Fire Fighting and Prevention Supervisors Paralegals and Legal Assistants Police Detectives Police Identification and Records Officers Police Patrol Officers Private Detectives and Investigators Sheriffs and Deputy Sheriffs Title Examiners, Abstractors, and Searchers Transit and Railroad Police	Arbitrators and Mediators Coroners Correctional Treatment Specialists Criminal Investigators and Special Agents Emergency Management Specialists Forensic Science Technicians Immigration and Customs Inspectors Judges and Hearing Officers Law Clerks Probation Officers	Anthropology and Archeology Teachers, Postsecondary Child, Family, and School Social Workers Criminal Justice and Law Enforcement Teachers, Postsecondary Lawyer Psychology Teachers, Postsecondary	



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	10	Literature & Comp II Honors Lit & Comp II	Geometry Honors Geometry Algebra II Honors Algebra II Pre-Calculus Probability and Statistics	Biology Honors Biology Chemistry Honors Chemistry Physics Honors Physics	US History Honors US History AP US History	Health	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:  Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other:  Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Project Lead the Way <input type="checkbox"/> Pro Start <input type="checkbox"/> Other:		
	11	American Literature & Composition AP Language & Composition	Algebra II Honors Algebra II ● College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology Lab Chemistry Honors Chemistry AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ● Anatomy/Physiology Ecology	Government AP Government	Personal Finance	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:  Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> TSA <input type="checkbox"/> Other:		
	12	World Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II ● College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology/Lab AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ● Anatomy/Physiology Ecology					



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<a href="http://www.ranken.edu">www.ranken.edu</a> South Central Career Center <a href="http://www.wphs.k12.mo.us">www.wphs.k12.mo.us</a> Southwest Area Career Center <a href="http://www.swnccc.k12.mo.us">www.swnccc.k12.mo.us</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a> Baptist Bible College - <a href="http://www.baptist.edu">www.baptist.edu</a> Bryan College - <a href="http://www.bryancollege.com">www.bryancollege.com</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a> Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a> Culver-Stockton College - <a href="http://www.culver.edu">www.culver.edu</a> Drury University - <a href="http://www.drury.edu">www.drury.edu</a> Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a> Everest College <a href="http://www.everest-college.edu">www.everest-college.edu</a> Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Hannibal-Lagrange College - <a href="http://www.hlg.edu">www.hlg.edu</a> Harris-Stowe State Univ - <a href="http://www.hssu.edu">www.hssu.edu</a> Hickey College <a href="http://www.hickeycollege.edu">www.hickeycollege.edu</a> Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Maryville Univ of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Messenger College <a href="http://www.messengercollege.edu">www.messengercollege.edu</a> Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a> Missouri College - <a href="http://www.missouri-college.com">www.missouri-college.com</a> MO Southern State Univ - <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a> Missouri State University – West Plains <a href="http://www.wip.missouristate.edu">www.wip.missouristate.edu</a>	MO University of Science & Technology <a href="http://www.mst.edu">www.mst.edu</a> Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a> Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a> Park University - <a href="http://www.park.edu">www.park.edu</a> Rockhurst University - <a href="http://www.rockhurst.edu">www.rockhurst.edu</a> Saint Louis University <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a> Sanford-Brown College <a href="http://www.sanford-browncollege.com">www.sanford-browncollege.com</a> Southeast MO State Univ - <a href="http://www.semo.edu">www.semo.edu</a> Southwest Baptist Univ - <a href="http://www.sbu.edu">www.sbu.edu</a> Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a> Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a> Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a> Univ of MO – Columbia - <a href="http://www.missouri.edu">www.missouri.edu</a> Univ of MO – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a> Univ of MO – St Louis - <a href="http://www.umsl.edu">www.umsl.edu</a> University of Phoenix - <a href="http://www.phoenix.edu">www.phoenix.edu</a> Vatterott College - <a href="http://www.vatterott-college.edu">www.vatterott-college.edu</a> Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a> Webster University - <a href="http://www.websteruniv.edu">www.websteruniv.edu</a> Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a> William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a> William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>	• Apprenticeship • Military • On-the-Job Training Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a> DeVry University <a href="http://www.drury.edu">www.drury.edu</a> Foley-Belsaw Institute <a href="http://www.foley-belsaw.com">www.foley-belsaw.com</a> Grantham University <a href="http://www.grantham.edu">www.grantham.edu</a> ITT Technical Institute <a href="http://www.itt-tech.edu">www.itt-tech.edu</a> National American University <a href="http://www.national.edu">www.national.edu</a> Texas County Technical Institute <a href="http://www.texascountytech.edu">www.texascountytech.edu</a>

Sample Careers By Educational Level – For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>			
On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Crane and Tower Operators Hoist and Winch Operators Locksmiths Machinists Metal and Plastic Processing Workers Operating Engineers and Construction Equipment Operators Painting and Coating Machine Operators Power Plant Operators Precision Assemblers Quality Control Inspectors Small Engine Mechanics Tailors Tire Building Machine Operators Tool and Die Makers Tool Grinders Upholsterers Vehicle Painters Woodworking Machine Operators	Automotive Electronics Installers Computer, ATM, and Office Machine Repairs Electric Motor Repairers Home Electronics Repairers Industrial Electronics Repairers Jewelers Manufacturing Production Technicians Security and Fire Alarm Systems Installers Semiconductor Processing Operators Welders and Solderers Welding and Soldering Machine Operators	Chemical Engineers Occupational Health and Safety Specialists Safety Engineers	

**University City High School**  
**Marketing**  
**Career Cluster Program of Study Template**  
[www.ucityschools.org](http://www.ucityschools.org)



Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY					
		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.					
Grade	English Language Arts	Math	Science	Social Studies	Required Courses, Elective Options	Career Center	Additional Learning Opportunities
<b>Secondary</b>	9	Literature & Composition I Honors Literature and Composition Academic Literacy	Algebra I Honors Algebra I Honors Geometry Honors Algebra II	Physical Science Honors Biology	World History Honors World History	Comprehensive Physical Education Fine Arts	North County Tech <a href="http://www.northtechnical.org">www.northtechnical.org</a>
	10	Literature & Composition II Honors Lit & Comp II	Geometry Honors Geometry Algebra II Honors Algebra II Pre-Calculus Probability and Statistics	Biology Honors Biology Chemistry Honors Chemistry Physics Honors Physics	US History Honors US History AP US History	Health	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____  Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____  Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Project Lead the Way <input type="checkbox"/> Pro Start <input type="checkbox"/> Other: _____
	11	American Literature & Composition AP Language & Composition	Algebra II Honors Algebra II College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology Lab Chemistry Honors Chemistry AP Chemistry/Lab Physics Honors Physics AP Physics/Lab Anatomy/Physiology Ecology	Government AP Government	Personal Finance Fundamentals of Marketing Sports & Entertainment Marketing Entrepreneurship	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____  Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> TSA <input type="checkbox"/> Other: _____
	12	World Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology/Lab AP Chemistry/Lab Physics Honors Physics AP Physics/Lab Anatomy/Physiology Ecology	Fundamentals of Marketing Sports & Entertainment Marketing Entrepreneurship Supervised Business Employment		

◆ Articulated Credit   ◆ Dual Credit

Revised 1.4.16

Postsecondary Offerings – For A Complete Listing, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
Community College	Technical School/Training Institution	In State	Out of State/Other	
East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a> Metropolitan Community College <a href="http://www.mccc-nc.edu">www.mccc-nc.edu</a> Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a> Moberly Area Community College <a href="http://www.macc.edu">www.macc.edu</a> North Central Missouri College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a> Ozarks Technical Comm College <a href="http://www.otc.edu">www.otc.edu</a> St. Charles Community College <a href="http://www.stchas.edu">www.stchas.edu</a> St. Louis Community College <a href="http://www.slcc.edu">www.slcc.edu</a> State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a> Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>	Eldon Career Center - <a href="http://www.eldoncareercenter.org">www.eldoncareercenter.org</a> Hannibal Career and Technical Center <a href="http://www.hannibaltec.mo.us">www.hannibaltec.mo.us</a> Waynesville Technical Academy <a href="http://www.waynesville.k12.mo.us">www.waynesville.k12.mo.us</a> Northwest Tech School <a href="http://www.maryville.k12.mo.us">www.maryville.k12.mo.us</a> Rankin Tech College - <a href="http://www.rankin.edu">www.rankin.edu</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a> Baptist Bible College - <a href="http://www.baptist.edu">www.baptist.edu</a> Bryan College - <a href="http://www.bryancollege.com">www.bryancollege.com</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a> Columbia College - <a href="http://www.ccls.edu">www.ccls.edu</a> Culver-Stockton College <a href="http://www.culver.edu">www.culver.edu</a> DeVry University - <a href="http://www.devry.edu">www.devry.edu</a> Drury University - <a href="http://www.drury.edu">www.drury.edu</a> Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a> Everest College <a href="http://www.everest-college.com">www.everest-college.com</a> Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Hannibal-Lagrange College <a href="http://www.hlc.edu">www.hlc.edu</a> Harris-Stowe State Univ - <a href="http://www.hssu.edu">www.hssu.edu</a> Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Maryville University of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Messenger College <a href="http://www.messengercollege.edu">www.messengercollege.edu</a> Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a> Missouri College <a href="http://www.missouricollege.com">www.missouricollege.com</a> MO Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a> Missouri State University – West Plains <a href="http://www.wpl.missouristate.edu">www.wpl.missouristate.edu</a> Missouri Valley College <a href="http://www.moval.edu">www.moval.edu</a>	Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a> Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a> Park University - <a href="http://www.park.edu">www.park.edu</a> Patricia Stevens College <a href="http://www.patriciastevenscollege.edu">www.patriciastevenscollege.edu</a> Rockhurst University - <a href="http://www.rockhurst.edu">www.rockhurst.edu</a> Saint Louis University <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a> Sanford-Brown College <a href="http://www.sanford-browncollege.com">www.sanford-browncollege.com</a> Southeast MO State Univ - <a href="http://www.semo.edu">www.semo.edu</a> Southwest Baptist Univ - <a href="http://www.sbu.edu">www.sbu.edu</a> Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a> Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a> Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a> Univ of MO – Columbia - <a href="http://www.missouri.edu">www.missouri.edu</a> Univ of MO – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a> Univ of MO – Rolla - <a href="http://www.unr.edu">www.unr.edu</a> Univ of MO – St Louis - <a href="http://www.umsi.edu">www.umsi.edu</a> Univ of Phoenix - <a href="http://www.phoenix.edu">www.phoenix.edu</a> Vatterott College <a href="http://www.vatterott-college.edu">www.vatterott-college.edu</a> Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a> Webster University - <a href="http://www.websteruniv.edu">www.websteruniv.edu</a> Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a> William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a> William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>	• Apprenticeship • Military • On-the-Job Training Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a> Grantham University <a href="http://www.grantham.edu">www.grantham.edu</a> ITT Technical Institute <a href="http://www.itt-tech.edu">www.itt-tech.edu</a> National American University <a href="http://www.national.edu">www.national.edu</a>

Sample Careers By Educational Level – For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
On-the-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
Advertising Salespeople Buyers and Purchasing Agents Cashiers Counter and Rental Clerks Demonstrators and Promoters Floral Designers Merchandise Displayers Models Opticians Parts Salespeople Retail Salespeople Route Salespeople Telemarketers	Advertising Sales Agents Assessors Fashion Designers Interior Designers Lodging Managers Property, Real Estate, and Community Association Managers Real Estate Brokers Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products Travel Agents Travel Guides Wholesale and Retail Buyers, Except Farm Products	Art Directors Editors Market Research Analysts Public Relations Specialists Sales Managers Sales Representatives Survey Researchers Technical Writers	Business Teacher, Postsecondary Marketing Managers Public Relations Managers Purchasing Managers Sales Managers	





**University City High School**  
**Science, Technology, Engineering & Mathematics**  
**Career Cluster Program of Study Template**  
[www.ucityschools.org](http://www.ucityschools.org)

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY						It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.	
Grade	English Language Arts	Math	Science	Social Studies	Required Courses, Elective Options	Career Center	Additional Learning Opportunities		
Secondary	9	Literature & Composition I Honors Literature and Composition Academic Literacy	Algebra I Honors Algebra I Honors Geometry Honors Algebra II	Physical Science Honors Biology	World History Honors World History	Comprehensive Physical Education Fine Arts  ♦Introduction to Engineering Design (IED) ♦Principles of Engineering (POE)	North County Tech <a href="http://www.northtechnical.org">www.northtechnical.org</a>  South County Tech <a href="http://www.southtechhigh.org">www.southtechhigh.org</a>  School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:		
	10	Literature & Comp II Honors Lit & Comp II	Geometry Honors Geometry Algebra II Honors Algebra II Pre-Calculus Probability and Statistics	Biology Honors Biology Chemistry Honors Chemistry Physics Honors Physics	US History Honors US History AP US History	Health  ♦Introduction to Engineering Design (IED) ♦Principles of Engineering (POE)	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other:  Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Project Lead the Way <input type="checkbox"/> Pro Start <input type="checkbox"/> Other:		
	11	American Literature & Composition AP Language & Composition	Algebra II Honors Algebra II ♦ College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology Lab Chemistry Honors Chemistry AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ♦ Anatomy/Physiology Ecology	Government AP Government	Personal Finance  ♦Introduction to Engineering Design (IED) ♦Principles of Engineering (POE) ♦Civil Engineering & Architecture	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:  Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> TSA <input type="checkbox"/> Other:		
	12	World Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II ♦ College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology/Lab AP Chemistry/Lab Physics Honors Physics AP Physics/Lab ♦ Anatomy/Physiology Ecology	♦Introduction to Engineering Design (IED) ♦Principles of Engineering (POE) ♦Civil Engineering & Architecture				

♦ Articulated Credit   ♦ Dual Credit

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Postsecondary Offerings – For A Complete Listing, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
Community College	Technical School/Training Institution	In State		Out of State/Other
Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a> Metropolitan Community College <a href="http://www.mccc.edu">www.mccc.edu</a> St. Charles Community College <a href="http://www.stchas.edu">www.stchas.edu</a> St Louis Community College <a href="http://www.slccc.edu">www.slccc.edu</a>	Missouri Tech <a href="http://www.motech.edu">www.motech.edu</a>  Avila University - <a href="http://www.avila.edu">www.avila.edu</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a> Columbia College - <a href="http://www.ccls.edu">www.ccls.edu</a> Culver-Stockton College <a href="http://www.culver.edu">www.culver.edu</a> Drury University - <a href="http://www.drury.edu">www.drury.edu</a> Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a> Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Maryville University of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a> MO Southern State Univ ersity <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a> MO University of Science & Technology <a href="http://www.mst.edu">www.mst.edu</a> Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a>	Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a> Park University - <a href="http://www.park.edu">www.park.edu</a> Rockhurst University <a href="http://www.rockhurst.edu">www.rockhurst.edu</a> Saint Louis University <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a> Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a> Southwest Baptist University <a href="http://www.abuniv.edu">www.abuniv.edu</a> Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a> Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a> University of MO – Columbia <a href="http://www.missouri.edu">www.missouri.edu</a> University of MO – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a> Univ of MO – Rolla - <a href="http://www.unr.edu">www.unr.edu</a> Univ of MO – St Louis - <a href="http://www.umsi.edu">www.umsi.edu</a> Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a> Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a> William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a>	<ul style="list-style-type: none"><li>Apprenticeship</li><li>Military</li><li>On-the-Job Training</li></ul> Grantham University <a href="http://www.grantham.edu">www.grantham.edu</a>	
Sample Careers By Educational Level – For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
On-the-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
Electronics Engineering Technologists Engineering Technicians Manufacturing Engineering Technologists Science Technicians	Aerospace Engineers Biomedical Engineers Cartographers Chemists Civil Engineers Electrical and Electronics Engineers Energy Engineers Environmental Engineers Geospatial Information Scientists and Technologists Industrial Engineers Manufacturing Engineers Materials Engineers Mechanical Engineers Meteorologists Mining Engineers Nuclear Engineers Petroleum Engineers Photonics Engineers Remote Sensing Scientists and Technologists	Anthropologists Archeologists Astronomers Biologists Environmental Scientists Geographers Geologists and Geophysicists Historians Mathematicians Physicists Political Scientists Robotics Engineers Sociologists		



**University City High School**  
**Transportation, Distribution & Logistics**  
**Career Cluster Program of Study Template**  
[www.ucityschools.org](http://www.ucityschools.org)

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY					
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.							
Grade	English Language Arts	Math	Science	Social Studies	Required Courses, Elective Options	Career Center	Additional Learning Opportunities
Secondary	9	Literature & Composition I Honors Literature and Composition Academic Literacy	Algebra I Honors Algebra I Honors Geometry Honors Algebra II	Physical Science Honors Biology	World History Honors World History	Comprehensive Physical Education Fine Arts	North County Tech <a href="http://www.northtechnical.org">www.northtechnical.org</a>  South County Tech <a href="http://www.southtechhigh.org">www.southtechhigh.org</a>
	10	Literature & Comp II Honors Lit & Comp II	Geometry Honors Geometry Algebra II Honors Algebra II Pre-Calculus Probability and Statistics	Biology Honors Biology Chemistry Honors Chemistry Physics Honors Physics	US History Honors US History AP US History	Health	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other:  Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other:  Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Project Lead the Way <input type="checkbox"/> Pro Start <input type="checkbox"/> Other:
	11	American Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology Lab Chemistry Honors Chemistry AP Chemistry/Lab Physics Honors Physics AP Physics/Lab Anatomy/Physiology Ecology	Government AP Government	Personal Finance	Placement Assessments: <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other:  Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> TSA <input type="checkbox"/> Other:
	12	World Literature & Composition AP Literature & Composition	Algebra II Honors Algebra II College Prep Algebra Pre-Calculus AP Calculus AB AP Calculus BC Probability and Statistics	Biology AP Biology/Lab AP Chemistry/Lab Physics Honors Physics AP Physics/Lab Anatomy/Physiology Ecology			



Postsecondary Offerings – For A Complete List of Colleges, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
Community College	Technical School/Training Institutions	In State	Out of State/Other	
Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Hannibal-Lagrange College <a href="http://www.hlg.edu">www.hlg.edu</a> Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a> Linn State Technical College <a href="http://www.linnstate.edu">www.linnstate.edu</a> Metropolitan Community College <a href="http://www.mccc.edu">www.mccc.edu</a> Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a> Moberly Area Community College <a href="http://www.macc.edu">www.macc.edu</a> North Central Missouri College <a href="http://www.ncmmissouri.edu">www.ncmmissouri.edu</a> Ozarks Technical Comm College <a href="http://www.otc.edu">www.otc.edu</a> Ranken Technical College <a href="http://www.ranken.edu">www.ranken.edu</a> Sanford-Brown College <a href="http://www.sanford-browncollege.com">www.sanford-browncollege.com</a> St. Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a> State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a>	Cape Girardeau Career/Tech Center <a href="http://www.cape.k12.mo.us/cc/default.htm">www.cape.k12.mo.us/cc/default.htm</a> Clinton Tech School - <a href="http://www.clinton.k12.mo.us">www.clinton.k12.mo.us</a> Davis Hart Career Ctr - <a href="http://www.mexicoschools.net">www.mexicoschools.net</a> Eldon Career Ctr - <a href="http://www.eldoncareercenter.org">www.eldoncareercenter.org</a> Four Rivers Career Center <a href="http://www.washington.k12.mo.us">www.washington.k12.mo.us</a> Franklin Technology- MSU <a href="http://www.ftcjoplin.com">www.ftcjoplin.com</a> Gibson Tech Ctr - <a href="http://www.wolves.k12.mo.us/gtc">www.wolves.k12.mo.us/gtc</a> Grand River Technical School - <a href="http://www.grts.org">www.grts.org</a> Hannibal Career and Technical Center <a href="http://www.hannibal.tcc.mo.us">www.hannibal.tcc.mo.us</a> Herndon Career Center <a href="http://www.herndoncareercenter.com">www.herndoncareercenter.com</a> Hillyard Technical Ctr - <a href="http://www.hillyardtech.com">www.hillyardtech.com</a> Kirksville Area Tech Ctr - <a href="http://www.kirksville.k12.mo.us">www.kirksville.k12.mo.us</a> Lake Career and Technical Center <a href="http://www.camdentonschools.org">www.camdentonschools.org</a> Lebanon Technology and Career Ctr <a href="http://www.lebanon.k12.mo.us/lctcc">www.lebanon.k12.mo.us/lctcc</a> Lex La-Ray Tech Ctr - <a href="http://www.lexington.k12.mo.us">www.lexington.k12.mo.us</a> Nichols Career Center - <a href="http://www.jcps.k12.mo.us">www.jcps.k12.mo.us</a> Northland Career Center <a href="http://www.northlandcareercenter.com">www.northlandcareercenter.com</a> Northwest Tech School - <a href="http://www.maryville.k12.mo.us">www.maryville.k12.mo.us</a> Pike-Lincoln Tech Ctr - <a href="http://www.pltc.k12.mo.us">www.pltc.k12.mo.us</a> Rolla Tech Institute - <a href="http://www.rolla.k12.mo.us">www.rolla.k12.mo.us</a> Saline County Career Center <a href="http://www.marshallschools.com/sccc">www.marshallschools.com/sccc</a> Sikeston Career & Technology Center <a href="http://www.sikeston.k12.mo.us">www.sikeston.k12.mo.us</a> South Central Career Ctr - <a href="http://www.wphs.k12.mo.us">www.wphs.k12.mo.us</a> Waynesville Technical Academy <a href="http://www.waynesville.k12.mo.us">www.waynesville.k12.mo.us</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a> Baptist Bible College - <a href="http://www.baptist.edu">www.baptist.edu</a> Bryan College - <a href="http://www.bryancollege.com">www.bryancollege.com</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> College of the Ozarks - <a href="http://www.cofo.edu">www.cofo.edu</a> Columbia College - <a href="http://www.ccol.edu">www.ccol.edu</a> Culver-Stockton College - <a href="http://www.culver.edu">www.culver.edu</a> DeVry University - <a href="http://www.devry.edu">www.devry.edu</a> Drury University - <a href="http://www.drury.edu">www.drury.edu</a> Everest College - <a href="http://www.everest-college.edu">www.everest-college.edu</a> Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Grantham Univ - <a href="http://www.grantham.edu">www.grantham.edu</a> Harris-Stowe State Univ - <a href="http://www.hssu.edu">www.hssu.edu</a> Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Maryville University of Saint Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Messenger College <a href="http://www.messengercollege.edu">www.messengercollege.edu</a> Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a> Missouri College <a href="http://www.missouricollege.com">www.missouricollege.com</a> Missouri Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a> Missouri State Univ - West Plains <a href="http://www.wp.missouristate.edu">www.wp.missouristate.edu</a> Missouri University of Science & Tech <a href="http://www.mst.edu">www.mst.edu</a>	Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a> Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a> Park University - <a href="http://www.park.edu">www.park.edu</a> Rockhurst Univ - <a href="http://www.rockhurst.edu">www.rockhurst.edu</a> Patricia Stevens College <a href="http://www.patriciastevenscollege.edu">www.patriciastevenscollege.edu</a> St. Louis Univ - <a href="http://www.imagine.slu.edu">www.imagine.slu.edu</a> Southeast Missouri State University <a href="http://www.semo.edu">www.semo.edu</a> Southwest Baptist University <a href="http://www.sbu.edu">www.sbu.edu</a> Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a> Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a> University of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a> University of Missouri - Columbia <a href="http://www.missouri.edu">www.missouri.edu</a> University of Missouri - Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a> University of Missouri - St. Louis <a href="http://www.umsl.edu">www.umsl.edu</a> Univ of Phoenix - <a href="http://www.phoenix.edu">www.phoenix.edu</a> Vatterott College <a href="http://www.vatterott-college.edu">www.vatterott-college.edu</a> Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a> Webster Univ - <a href="http://www.websteruniv.edu">www.websteruniv.edu</a> Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a> William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a> William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>	• Apprenticeship • Military • On-the-Job Training Aviation Institute of Maintenance <a href="http://www.aviationmaintenance.edu">www.aviationmaintenance.edu</a> Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a> American Truck Training <a href="http://www.americantrucktraining.com">www.americantrucktraining.com</a> C-1 Truck Driver Training <a href="http://www.c1training.com">www.c1training.com</a> ITT Technical Institute <a href="http://www.itt-tech.edu">www.itt-tech.edu</a> Midwestern Training Center National American University <a href="http://www.national.edu">www.national.edu</a> Nuway Truck Driver Training <a href="http://www.nuwaytruckschools.com">www.nuwaytruckschools.com</a> Southern MO Truck Driving School <a href="http://www.smtds.com">www.smtds.com</a> Westwind CDL Training Center <a href="http://www.westwindcdl.com">www.westwindcdl.com</a> Witte Truck Driving School

## Postsecondary

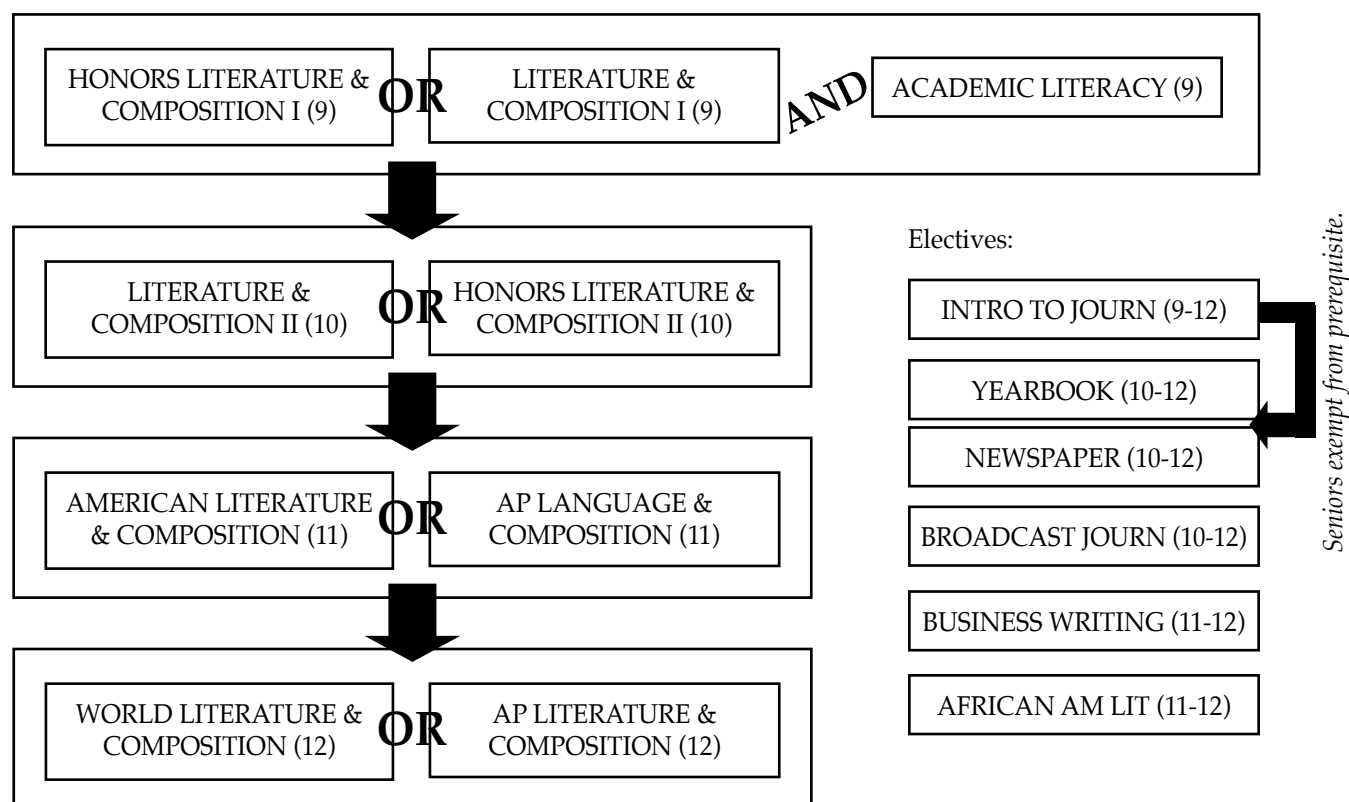
Sample Careers By Educational Level – For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>				
On-the-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More	
Air Traffic Controllers and Flight Attendants Auto Body Repairers Bicycle Repairers Bus Drivers and School Bus Drivers Dispatchers and Traffic Technicians Freight Handlers Heavy Equipment Mechanics Heavy Truck Drivers Motorboat & Motorcycle Mechanics Parking Lot Attendants Riggers Service Station Attendants, Tire Repairers and Changers Transportation Agents	Aircraft Mechanic Automobile Mechanics Bus and Truck Mechanics and Diesel Engine Specialists Electrical/Electronics Installers/Repairers, Transportation Equipment Electronic Equipment Installers/Repairers, Motor Vehicles First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand First-Line Supervisors/Managers of Transportation Material-Moving Machine and Vehicle Operators Motorboat Mechanics and Motorcycle Mechanics Signal and Track Switch Repairers Traffic Technicians Transportation Vehicle, Equipment/Systems Inspectors	Airline Pilot Logisticians Storage and Distribution Managers	Chief Executive	

# COURSE DESCRIPTIONS

## ENGLISH LANGUAGE ARTS SEQUENCE

*4 or more English Language Arts credits are required for graduation.*

Seniors must enroll in World Literature if not meeting the college readiness benchmarks of 18 in English Composition and 22 in Reading on the ACT.



## ENGLISH LANGUAGE ARTS COURSES

- S1012 ACADEMIC LITERACY .....YEAR COURSE (9)  
Required for all incoming 9<sup>th</sup> graders, this course is designed to enhance critical reading in all subject areas for students reading at any level, *including those reading above grade-level*. Students will work through the Top 10 Reading Strategies of Successful Readers with special focus on identifying and tracking turning points, cause/effect, making inferences, and noticing patterns in texts. On a daily basis, students will engage in mini-lessons, shared and/or independent readings, and dialectical or reflective response writing. Students needing additional support may also be identified to enroll in an Academic Literacy Lab.  
Prerequisite: Incoming 9<sup>th</sup> grade status; simultaneous enrollment in LC1.  
Homework: 20-30 minutes of reading daily.



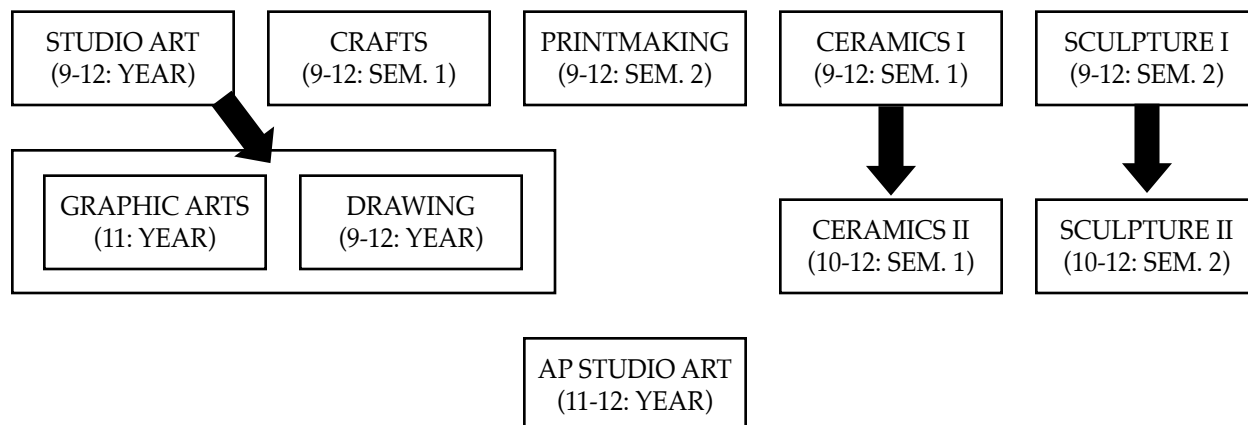
- S1110 LITERATURE AND COMPOSITION I.....YEAR COURSE (9)  
 This course is designed to help students improve their reading, writing, and speaking skills through assignments based on a variety of literary works. The basic components of the course include a refinement of study skills, vocabulary skills, and test-taking skills, as well as a strong focus on the communication arts skills of listening, writing, reading, and speaking effectively.  
Homework: 20-30 minutes of reading daily.
- S1111 ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL) ..... YEAR COURSE (9-12)  
 This course is for those students whose proficiency in any of the English language arts modalities (reading, writing, listening, or speaking) is significantly below that of their peers. Only students classified as Limited English Language Learners are eligible for this course.
- S1150 HONORS LITERATURE AND COMPOSITION I.....YEAR COURSE (9)  
 This is a course designed for students *who want to be challenged* and whose reading and writing skills are at or above grade-level. Students will read and study a variety of texts with a focus on analyzing literary devices, theme, tone, and story structure. Detailed writing assignments which develop persuasive essay skills and other expository techniques are an integral part of the curriculum. Activities also include a refinement of vocabulary, listening skills, research skills, presentation skills, and analytical response.  
Note: Proficient or advanced 8<sup>th</sup> grade MAP score in English Language Arts is strongly recommended.  
Homework: 30 minutes of reading and /or writing daily.
- S1210 LITERATURE AND COMPOSITION II .....YEAR COURSE (10)  
 This is a course designed for students whose reading and writing skills are on grade-level. Students will read and study a variety of texts with focus on the choices authors make about how they tell their stories. Students will improve their critical reading and analysis skills through making inferences, noticing patterns, and identifying theme. Students will apply this new knowledge to their writing by developing clear claim statements and making purposeful decisions about their writing structure, word choice, and tone.  
Prerequisite: LC1 full-year credit.  
Homework: 20-30 minutes of reading and /or writing daily.
- S1250 HONORS LITERATURE AND COMPOSITION II.....YEAR COURSE (10)  
 This is a course designed for students who want to be challenged and whose reading and writing skills are at or above grade-level. Students will read and study a variety of texts with a focus on higher order analytical skills, such as discerning symbolism, figurative language, and author's message. Students will discover universal truths in texts and make connections between these truths and the author's purpose, then apply this knowledge to their writing while exploring several patterns of development: character analysis, the researched essay, compare/contrast, and literary analysis.  
Prerequisite: LC1 full-year credit  
Note: Proficient or advanced LC1 EOC score and B or better in Literature and Composition I is strongly recommended.  
Homework: 40 minutes of reading and /or writing daily.
- S1310 AMERICAN LITERATURE AND COMPOSITION ..... YEAR COURSE (11)  
 Students will read and study a variety of texts written by American authors, with a focus on diversity, innovation, community, individualism, and other topics relevant to the American experience. Students will emphasize the composition of strong, logically reasoned arguments that depend on well-chosen evidence in order to enter the larger academic and national conversation. They will also develop their own written voice through a close examination of published authors' stylistic choices and persuasive techniques, such as pathos, ethos and logos.  
Prerequisite: LC2 full-year credit.  
Homework: 40 minutes of reading and /or writing daily.

- S1480 AP LANGUAGE AND COMPOSITION ..... YEAR COURSE (11)  
 As specified by the College Board, this course is intended to approximate an entry-level college English course. This course is designed for self-motivated students who want to be challenged and whose reading and writing skills are at or above grade-level. Students will read and study a variety of texts in order to examine authors' rhetorical techniques, tools, and structures. This studied analysis of writers' craft will lead to practice in personal narratives, persuasive essays, literary analysis, researched synthesis, and argument writing. Students are strongly encouraged to take the AP exam and, in preparation for it, learn the fundamentals of answering objective and essay questions. *Students who take this course are expected to take the AP Exam in May. Scoring a 3 or better on this exam will yield 3-6 credit hours at the vast majority of colleges and universities in the nation.* Completion of summer reading and writing assignment is required for this course.  
Prerequisite: LC2 full-year credit  
Note: Proficient or advanced LC2 EOC score and B or better in Literature and Composition II is strongly recommended.  
Homework: 1 hour of reading and/or writing daily.
- S1410 WORLD LITERATURE AND COMPOSITION ..... YEAR COURSE (12)  
 This course uses literature from around the world to build a base of advanced knowledge in reading and writing skills. Students will read a mix of classic and modern World Literature and focus on how authors structure their stories by using literary technical elements and standard English writing conventions. Students will apply this knowledge to their writing to develop arguments, synthesize various presentations of a single text, and identify common threads between multiple texts. There will be an emphasis on college-preparatory writing.  
Prerequisite: Full-year credit in American Literature & Composition or AP English Language and Composition.  
Homework: 40 minutes of reading and/or writing daily.
- S1475 AP LITERATURE AND COMPOSITION ..... YEAR COURSE (12)  
 This course is a college-preparatory course designed for college-bound students who plan to take the AP exam. In preparing students to take the exam, the teacher will select reading materials from a variety of sources and genres that reflect the rigor of an introductory college-level communication arts course. Daily instruction, discussion, and writing assignments will focus on identification and analysis of the rhetorical devices and strategies employed by writers. Students will be assessed on how well they use the language of rhetoric in analyses of texts and their ability to produce college-level composition (a 3 or higher on the College Board's 5-point scoring guide). A year-end writing portfolio will also be required. Students taking this course will take the AP exam offered in the spring. *Students who take this course are expected to take the AP Exam in May. Scoring a 3 or better on this exam will yield 3-6 credit hours at the vast majority of colleges and universities in the nation.* Completion of summer reading and writing assignment is required for this course.  
Prerequisite: Full-year credit in American Literature & Composition or AP English Language and Composition  
Note: Proficient or advanced ACT score and B or better in AP Language is strongly recommended.  
Homework: 1.5 hours of reading and/or writing daily.
- S1510 SCHOOL PUBLICATION: NEWSPAPER (U-TIMES) ..... YEAR COURSE (10-12)  
 In this course students create the school newspaper and manage its website. As part of the newspaper staff, students are expected to have the written and oral communication skills needed to publish a quality newspaper and website and may have to spend considerable amounts of time outside of class to complete assignments.  
Prerequisite: Course application; LC1 full-year credit; successful completion of Introduction to Journalism  
Note: Students may be exempt from this if granted approval by school publications advisor.

- S1550 SCHOOL PUBLICATION: YEARBOOK (DIAL)..... YEAR COURSE (10-12)  
 Students will receive instruction in the techniques of producing a quality yearbook that will become an accurate historical and artistic record of the school year. Because the yearbook is a mini business with students assuming the financial responsibility for the publication, they will also gain experience in sales, public relations, and advertising. Students are required to spend considerable time in the summer as well as during the school year promoting yearbook sales, advertising, and fund-raising events. This course may be repeated one or more times for English elective credit with the advisor's approval. Selections for staff editorial positions will be made each spring.  
Prerequisite: Course application; LC1 full-year credit; successful completion of Introduction to Journalism  
Note: Students may be exempt from this if granted approval by school publications advisor.
- S1615 INTRODUCTION TO JOURNALISM ..... YEAR COURSE (9-12)  
 This course serves as a required prerequisite for all school publications courses unless the student is a senior and obtains approval from the school publications advisor. Students are introduced to the fundamentals of journalism, including writing for publication, photography, layout and design, and advertising. History and principles of journalism will be researched and studied, along with the newest forms of the genre. Students will be trained in publishing software, such as Adobe InDesign and Adobe Photoshop. Students' work will be considered for publication in the U-Times student newspaper and website and Dial yearbook. If students excel during first semester, they may be asked to join the Newspaper (U-Times) or Yearbook (Dial) staff for second semester.  
Note: This course serves as a required prerequisite for all school publications courses unless the student obtains approval from the school publications adviser.
- S1660 BROADCAST JOURNALISM ..... YEAR COURSE (10-12)  
 This course will foster the production of programming and offer opportunities to develop broadcast journalism and film-making skills. Students will produce a monthly 5-8 minute newsmagazine show consisting of various segments, daily announcements, and audio/video components of the school newspaper. Students will learn about the history of communication and how it is reflected in technology today. Students will write scripts, develop storyboards, and shoot and edit video.  
Prerequisite: LC1 full-year credit.
- S1611 BUSINESS WRITING ..... SEMESTER COURSE (11-12)  
 This course focuses on various communication skills to prepare students for the work force and enhance job performance in the work world. Students will develop everyday skills, such as interpreting newspaper and magazine articles, letter writing and other forms of writing, using various technologies and forms of media. Units of study will include workplace listening, speaking, and writing skills; group dynamics and teamwork; working with diversity and solving conflict.  
Prerequisite: LC2 full-year credit.
- S1612 AFRICAN AMERICAN LITERATURE ..... SEMESTER COURSE (11-12)  
 This is a course designed for students who wish to pursue an interest in African American literature and culture. It parallels the World Literature course in focus of writing, grammar, and analytical skills, while providing insight into the people, places, and stories significant in the development of African American literature. Students will read a combination of independent choice books, as well as small group and whole class reads relating to urban communities, post-Civil War rural communities, and slave narratives. These texts include: fiction and non-fiction, both historical and contemporary; folktales; children's stories; young adult novels; and classics.  
Prerequisite: LC2 full-year credit.  
Homework: 30 minutes of reading and/or writing daily.

## FINE ARTS SEQUENCE

(Visual Arts)



*Independent Study Available. See page 8 for details.*

## FINE ARTS COURSES

(Visual Arts)

- S6110 STUDIO ART ..... YEAR COURSE (9-12)  
This is the basic exploratory course in visual arts. Students are introduced to the elements and principles of design and use them to find unique and individual solutions to artistic problems. Emphasis will be placed on drawing, painting, rendering techniques, modeling, construction, art history, art vocabulary, and basic graphic design using the Internet as a research tool.
- S6210 CRAFTS ..... SEMESTER COURSE (9-12)  
Students will learn about traditional and contemporary crafts and produce objects that are both functional and decorative. Students will explore the tools and techniques used by many cultures, especially Native American, Indian, and African craftsmen/artists. Some of the crafts that may be explored are weaving, basket making, batik, macramé, papier-maché, tin work, and handmade paper.
- S6220 PRINTMAKING ..... SEMESTER COURSE (9-12)  
Students are introduced to traditional and contemporary printmaking techniques. Students will create a variety of prints such as linocuts, collagraphs, etchings, and silk-screen prints. Emphasis will be placed on using basic design principles as well as technical skills such as creating printing plates, inking, and using a printing press or hand printing.
- S6310 CERAMICS I (FIRST SEMESTER ONLY) ..... SEMESTER COURSE (9-12)  
This first-semester course will include various hand building techniques and varied glazing and surface decoration techniques. Students will learn to approach ceramic artwork as both functional and decorative sculptural objects. Students will also explore historical influences, as well as contemporary ceramicists.
- S6320 CERAMICS II (FIRST SEMESTER ONLY) ..... SEMESTER COURSE (10-12)  
This first-semester course is an advanced continuation of Ceramics I. Students will improve hand building techniques and be introduced to throwing techniques through projects that are more technically challenging. Knowledge of kiln functions, decorative techniques and advanced glazing techniques will be broadened and an emphasis will be placed on aesthetic judgment.  
Prerequisite: Earn B or better in Ceramics I and permission of instructor.

- S6330 SCULPTURE I (SECOND SEMESTER ONLY) ..... SEMESTER COURSE (9-12)  
 This second-semester course is devoted to experimentation with a variety of methods, media, techniques, themes, and styles of three-dimensional sculpture from various sources. A cultural overview of art is used as a reference for student art production and study. Students demonstrate appropriate use of equipment in accordance with established safety guidelines.
- S6340 SCULPTURE II (SECOND SEMESTER ONLY) ..... SEMESTER COURSE (10-12)  
 This second-semester course is an advanced continuation of Sculpture I. The course concentrates on advanced techniques in the production of sculptural artworks. Students study the historical and cultural background of traditional and modern sculptural techniques. Various sculptural media are used to create technically challenging 3-D projects.  
Prerequisite: Earn B or better in Sculpture I and permission of instructor.
- S6410 DRAWING ..... YEAR COURSE (9-12)  
 This is an advanced art course. Students with a special interest in drawing and two-dimensional art will investigate a wide variety of techniques and media used by artists. Drawing is a skill that can be learned and highly developed with study and practice. Students will learn about historically important artists, and will use skills, techniques and styles to express their personal ideals and beliefs. Emphasis will be placed on developing an art portfolio appropriate for use in applying to colleges or for obtaining a job in fine arts, graphic arts, or architectural school.  
Prerequisite: Earn B or better in Studio Art and permission of instructor.
- S6430 GRAPHIC ARTS ..... YEAR COURSE (11-12)  
 This is an advanced art course. Students will gain an understanding of basic processes and procedures that make up the graphic arts concept. Students will learn various lettering techniques, logo design, poster design, package design, brochure/book production, and storyboard production. Students will learn basic board techniques and various computer software as well as scanning digital photography and production tools (Adobe Illustrator CS2, Adobe Photoshop CS2, Microsoft Word, Internet, etc.). Design and typography principles will apply to all projects. In addition to the graphic design curriculum, WashUCity is an established partnership with Washington University's visual communications department. In this project college students develop and teach design curriculum to high school students and assist students in solving class-related design problems, in addition to advising and mentoring students.  
Prerequisite: Completion of Drawing, Newspaper/Yearbook, or Web Design and permission of instructor.
- TBD AP STUDIO ART ..... YEAR COURSE (11-12)  
 This Advanced Placement Studio Art class is offered to students who have a special interest in 2-D and 3-D art/design. Students will work to develop mastery of content and techniques within 2-D and 3-D design. Students will create an extensive portfolio of work which reflects quality, breadth, and concentration. Submission of portfolios to the College Board provides students the possibility to earn college credit. Students may take multiple semesters of AP Studio Art.  
Prerequisite: Permission of instructor, and earned B or better in at least two Visual Art courses.



## FINE ARTS COURSES

### *(Performing Arts)*

- S6630 JAZZ BAND..... YEAR COURSE (9-12)  
It is required that all students be auditioned. Instruments being utilized in this class include trumpets, trombones, saxophones, keyboards, lead and bass guitar, tuba, and percussion. The class will emphasize performance in the jazz and commercial music styles and will include instruction in jazz improvisation. The students will perform at least one concert each semester.  
Prerequisite: Audition and concurrently enrolled in Band.
- S6640 BAND ..... YEAR COURSE (9-12)  
Students will further their skills in interpreting and expressing music through performance of band literature carefully chosen to include classical transcriptions and contemporary band pieces within a comprehensive range of playing styles and periods. **Participation at all concerts and public performances is required.** Students will also perform as a marching band and pep band at selected athletic events, parades and other activities throughout the metro area. Students who have not been enrolled in band must be auditioned by the director for proper placement.  
NOTE: The number of percussionists will be limited in the band. All students who wish to perform on percussion instruments will be asked to audition privately with the director. All percussionists will attend a special percussion clinic during the summer.  
Prerequisite: Audition.
- S6650 PERCUSSION ..... YEAR COURSE (9-12)  
Student will further their skills in interpreting and expressing music through performances of band and percussion literature. This literature is carefully chosen to include a wide variety of percussion music with a wide range of playing styles. Students are expected to participate as part of the high school marching band and pep band at events both at UCHS and throughout the St. Louis area.  
**Participation at all performances is required.**  
Note: The number of percussionists will be limited in the band. All students who wish to perform on percussion instruments will be asked to audition privately with the director. All percussionists will attend a special percussion clinic during the summer.  
Prerequisite: Attendance at summer percussion clinic, audition and permission of instructor.
- TBD ORCHESTRA..... YEAR COURSE (9-12)  
Orchestra students will further their skills in string technique, musical knowledge, interpretation and expression of music through performance of string orchestra literature from a wide range of genres and periods. **Participation at all concerts and events is required.** In addition to being a performance-driven class, students will also gain knowledge about what it means to be well-rounded musicians by doing various in-class assignments, attending concerts outside of school, knowing and understanding basic music theory concepts, and writing about musical experiences. It is expected that students entering Orchestra at UCHS are able to read music at a proficient level, know their scales up to two sharps and two flats, and have a solid foundation of string technique and posture.  
Prerequisite: Participation in middle school orchestra or audition.
- S6730 CONCERT CHOIR ..... YEAR COURSE (9-12)  
Admission to this course is by **audition only**. This is a class for students who want to study advanced music theory, advanced sight singing/aural training, and choral ensemble production. The repertoire will include standard and advanced high school and college literature. Students participating in this class will participate in a variety of appearances throughout the community and state.  
Prerequisite: Audition.
- S6740 WOMEN'S CHOIR ..... YEAR COURSE (9-12)  
This class is offered to female students interested in singing in a choral performance group. This class emphasizes the basics of singing and performance.  
Note: This class can be taken more than one time with **permission of the instructor only**.  
The group is required to perform a minimum of two concerts.

- S6750 MEN'S CHOIR ..... YEAR COURSE (9-12)  
 This class is offered to male students interested in singing in a choral performance group. This class emphasizes the basics of singing and performance.  
Note: This class can be taken more than one time with **permission of the instructor only**.  
 The group is required to perform a minimum of two concerts.
- S6811 THEATRE ARTS..... SEMESTER COURSE (9-12)  
 This course will introduce students to all areas of high school theatre production. Students will learn acting skills and will explore techniques and characterization on stage. Technical skills will be learned and practiced through the production of class plays. The class time will be divided between acting and technical theatre with an emphasis on acting. Good reading ability is essential and students will be required to memorize lines. Students will be required to perform before an audience each semester.
- S6812 TECHNICAL THEATRE..... SEMESTER COURSE (9-12)  
 A thorough study of theatre that includes developing appreciation of stage settings and how they are designed and constructed. Stage technology, including lighting and sound, is a rapidly expanding phase of the theatre arts. Costuming is one of the integral parts of play production. Make-up is the finishing touch that truly creates the dramatic atmosphere. "Tech" Theatre is intended for the serious student who wants to continue their education beyond the basics covered in the Theatre Arts class. This is a research-based class with opportunities for some hands-on learning.
- S6900 DANCE 1-2 ..... YEAR COURSE (9-12)  
 This course will introduce students to various styles of concert dance including ballet, jazz, and tap. Students will become familiar with basic skills and warm up exercises for each style. They will begin to understand the compositional elements of dance, and will have the opportunity to perform in two formal dance concerts each year.  
Prerequisite: Audition and permission of instructor required.
- S6901 DANCE 3-4 ..... YEAR COURSE (9-12)  
 This course is for dancers who are becoming more serious about dance and have an interest in performing. Students will continue to study the technique of various styles of concert dance, and they will work periodically in groups on the compositional elements of dance. They are required to participate in two formal dance concerts and all preceding rehearsals. Students must have a basic understanding of dance vocabulary and be able to 'spot' to participate in this course.  
Prerequisite: Permission of instructor required. Students must have recent dance experience.
- S6902 DANCE 5-6 ..... YEAR COURSE (9-12)  
 This course is for dancers who are interested in an intermediate technique class in ballet, jazz, and modern dance. Performance in two formal dance concerts and attendance at all rehearsals is a requirement. Students at this level must be accomplished at basic jumps, leaps, and turns and must possess a willingness to experiment with dances to alternative types of music. Students must also be willing to create sophisticated group compositions focused on the elements of dance composition.  
Prerequisite: Permission of instructor required. Students must have recent dance experience.
- S6903 DANCE 7-8 ..... YEAR COURSE (9-12)  
 This course is ideal for students who have studied extensively at private studios. Students will compose in groups and eventually use their work to create dances. They will continue to participate in ballet, jazz, and modern dance technique classes. They will experiment with alternative performance styles, and they will perform all types of choreography in the two required formal dance concerts. There will be several other mandatory rehearsals and performances.  
Prerequisite: Permission of instructor required. Students must have several years of recent dance experience.
- S6904 BALLET AND MODERN DANCE ..... YEAR COURSE (9-12)  
 This course will alternate between ballet and modern dance technique classes with minimal time spent on performances. Students will get much stronger, more flexible, and will be much more expressive after taking this course. Dance concert is required, but may be limited to one or two numbers. Students are encouraged to take this class along with an additional dance course.  
Prerequisite: Previous dance experience and permission of instructor.

## FOREIGN LANGUAGE COURSES

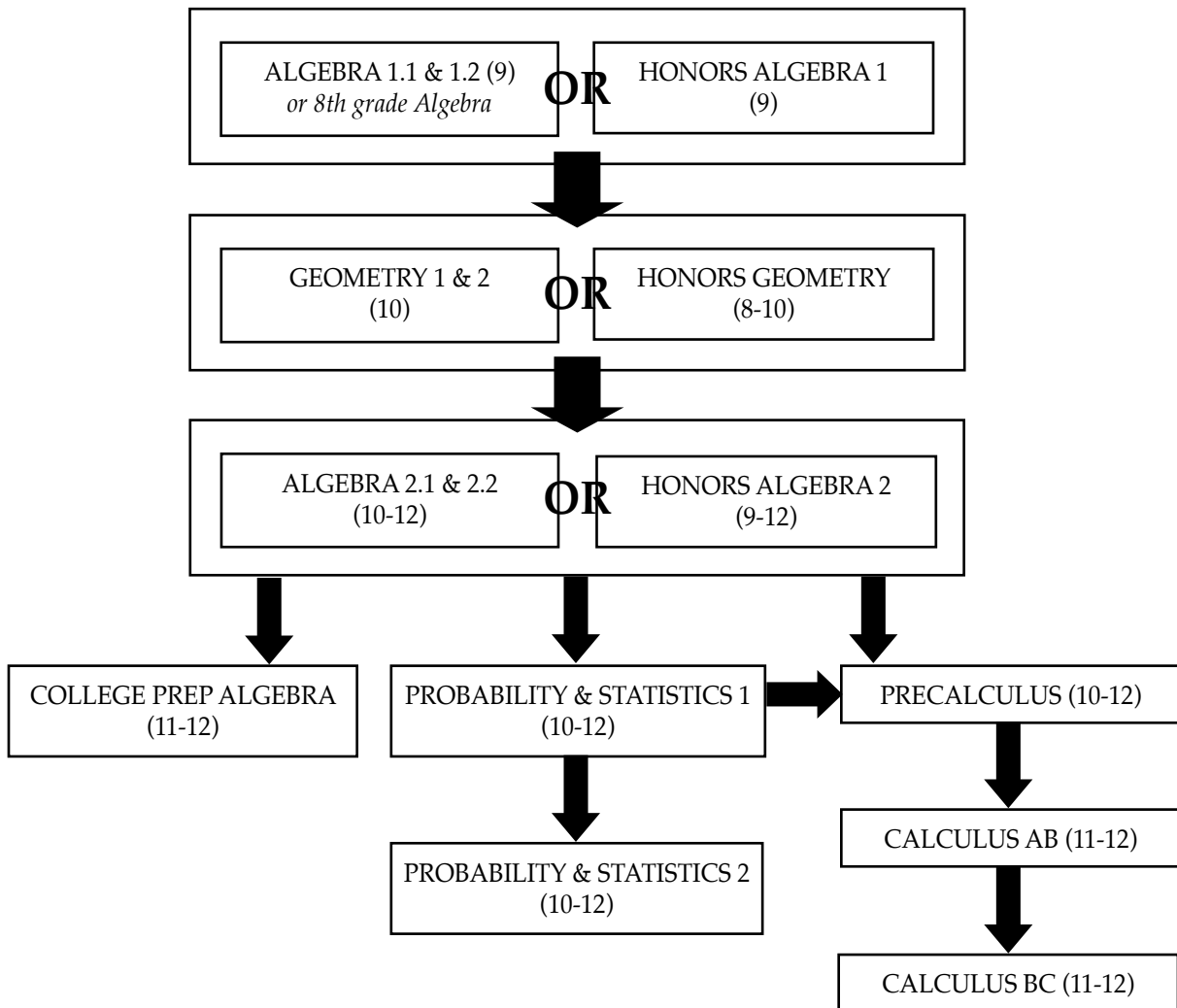
- S5110 FRENCH I ..... YEAR COURSE (9-12)  
 This introduction to the French language is available to students with no prior foreign language experience and to students who explored French in elementary or middle school. Students will emphasize speaking and listening skills, learning the vocabulary of daily life and such basic skills as making a purchase, asking directions, and ordering from a menu. The course includes audio and video lessons which supplement the textbook.
- S5120 FRENCH II ..... YEAR COURSE (9-12)  
 Second-year students will practice conversational skills, expand their knowledge of important grammatical structures and verb tenses, and begin writing original paragraphs in French. There is a special focus on the cultures of the French-speaking world which includes units on the Caribbean and Africa. Students will use the Internet for research and greatly expand their French vocabulary.  
Prerequisite: Pass French I or middle school French.
- S5130 FRENCH III ..... YEAR COURSE (10-12)  
 Third-year students will continue their study of grammatical structures and emphasize writing and reading skills. Conversational activities will be based on themes, such as leisure activities, health, communications, and travel. The spring semester will include an introduction to French literature. Students will use terminology to explore areas of interest.  
Prerequisite: Pass French II.
- S5140 FRENCH IV ..... YEAR COURSE (11-12)  
 French IV combines the study of French grammar, civilization, and literature. Grammatical studies include the introduction of the compound tenses, the subjunctive mood, and the appropriate use of pronouns. Students will survey French civilization, emphasizing vocabulary and conversational skills. The spring semester will include the reading of a novel and the writing of short compositions on topics of historical and literary significance.  
Prerequisite: Pass French III.
- S5150 AP FRENCH ..... YEAR COURSE (11-12)  
 This course combines the study of French grammar, civilization, and literature at an advanced level. This advanced placement course emphasizes skills such as translating articles and editorials from newspapers, magazines and daily news shows, preparing short speeches in French, comprehending audio programs and excerpts, and reading from selected works of nationally designated authors. All activities and skill acquisition in the target language will help the student prepare for the AP Exam in the spring.  
Note: *Students who take this course are expected to take the AP Exam in May. Scoring a 3 or better on this exam will yield 3-6 credit hours at the vast majority of colleges and universities in the nation.*  
Prerequisite: Pass French IV and permission of instructor.
- S5210 LATIN I ..... YEAR COURSE (9-12)  
 This course of study begins with vocabulary and basic grammatical forms. Reading and translation are used as a means of practicing these forms. Roman history and culture are examined as the context in which the Latin language developed. Correspondence between Latin and English language arts is noted.
- S5220 LATIN II ..... YEAR COURSE (9-12)  
 This course of study continues with vocabulary and basic grammatical forms. Reading and translation are used as a means of practicing these forms. Students delve deeper into Roman history and culture as the context in which the Latin language developed. Students continue to learn the relationship between Latin and English language arts.  
Prerequisite: Pass Latin I or middle school Latin.

- S5230 LATIN III ..... YEAR COURSE (10-12)  
As an advanced course, student vocabulary and basic grammatical forms continue to be expanded. Reading and translation focus on more complex text with the study of Latin literature, as well as the practice of complex grammatical forms. Roman history and culture are more deeply examined.  
Prerequisite: Pass Latin II.
- S5240 LATIN IV ..... YEAR COURSE (11-12)  
This advanced Latin course prepare students for the National Latin Exam with extensive literature, vocabulary and grammar. Students continue to explore Roman history and culture.  
Prerequisite: Pass Latin III.
- S5250 AP LATIN ..... YEAR COURSE (11-12)  
This course of study is designed to prepare students for the Advanced Placement examination given in May. This course will focus on an in-depth study of the Aeneid, stressing translation, literary devices, essay writing, grammar review, and vocabulary acquisition. Students taking this course are strongly encouraged to take the AP exam offered in the spring.  
*Note: Students who take this course are expected to take the AP Exam in May. Scoring a 3 or better on this exam will yield 3-6 credit hours at the vast majority of colleges and universities in the nation.*  
Prerequisite: Pass Latin IV and permission of instructor.
- S5310 SPANISH I ..... YEAR COURSE (9-12)  
Spanish I is a beginning course which introduces basic concepts of Spanish. Emphasis is placed on intensive audio-lingual drills that concentrate on correct pronunciation, intonation, simple conversation, and auditory perception. This additional emphasis on sentence structure, vocabulary, and reading permit greater familiarity with varied aspects of Spanish culture. Games, songs, movies, contests, and theme readings all will add spice to this course.
- S5320 SPANISH II ..... YEAR COURSE (9-12)  
This continuing course after Spanish I presents more challenging concepts from the Spanish language. Students learn more about the lives, countries, and cultures of Spanish-speaking people. Students will learn more advanced grammar and vocabulary in order to improve their basic communication skills.  
Prerequisite: Pass Spanish I or middle school Spanish.
- S5330 SPANISH III ..... YEAR COURSE (10-12)  
This course of intermediate Spanish concentrates on speaking and listening skills with an increased emphasis on practical dialogues and conversation. Practice drills are designed to develop facility in the use of the Spanish language while attention is given to the cultures of several Hispanic countries and to Spain. The reading of some introductory literary works enhances the “gusto” of this level of Spanish.  
Prerequisite: Pass Spanish II.
- S5340 SPANISH IV ..... YEAR COURSE (11-12)  
This more advanced course of presentation and review serves to solidify self-confidence and some research skills of the individual student. Language structure is taken through most tenses with concentrated review in spoken and written formats. Readings in several works of prose brighten the outlook of this course.  
Prerequisite: Pass Spanish III.
- S5350 AP SPANISH ..... YEAR COURSE (11-12)  
The Advanced Placement course emphasizes refining the product of individualized assignments and capabilities. Skills such as translating articles and editorials from newspapers and magazines, preparing short speeches in Spanish, comprehending audio programs and excerpts, and reading from selected works of nationally designated authors all help to ready the student for the AP exam.  
*Note: Students who take this course are expected to take the AP Exam in May. Scoring a 3 or better on this exam will yield 3-6 credit hours at the vast majority of colleges and universities in the nation.*  
Prerequisite: Pass Spanish IV and permission of instructor.

## MATHEMATICS SEQUENCE

*3 or more Mathematics credits are required for graduation.*

Seniors must enroll in College Prep Algebra or another mathematics course if not meeting the college readiness benchmark of 22 on the ACT.



## MATHEMATICS COURSES

S41120 ALGEBRA 1.1 ..... SEMESTER COURSE (9)  
 Algebra 1.1 is the first semester course of a year-long Algebra 1 sequence. Basic concepts and skills of elementary algebra will be covered. Students will analyze and explain the process of solving equations, and develop fluency writing, interpreting, and translating between various forms of linear equations and inequalities. Students will learn function notation and develop the concepts of domain and range. Additional topics will include translating expressions and equations, operations with real numbers, properties of real numbers, measures of central tendency, ratios and proportions.



- S41130 ALGEBRA 1.2 ..... SEMESTER COURSE (9)  
 Algebra 1.2 is the second semester course of a year-long Algebra 1 sequence. Basic concepts and skills of elementary algebra will be covered. Students will explore systems of equations and inequalities, and find and interpret their solutions. Students will build on and extend their understanding of integer exponent to consider exponential functions. Students will build on their knowledge to extend the laws of exponents to rational numbers. Additional topics will include operations with polynomials, algebraic fractions, rational and irrational numbers, and various types of applications and problems with real numbers.  
Prerequisite: Pass Algebra 1.1.
- S4175 HONORS ALGEBRA 1 ..... YEAR COURSE (9)  
 This course is intended for students who enter with above-average mathematical and problem-solving skills. The students will study the same algebraic concepts and topics that are covered in Algebra 1.1. and 1.2; however, they will be required to do more challenging problems and more complex applications.  
Prerequisite: Pass Pre-Algebra  
Note: Proficient or advanced on the 8th grade Math MAP is strongly recommended.
- S42500 GEOMETRY 1 ..... SEMESTER COURSE (9-12)  
 Geometry 1 is the first semester course of a year-long geometry sequence. Students will study geometric concepts, mathematical logic, and formal deductive proofs. Students will build on their work with the Pythagorean Theorem in 8th grade to find distances, use a coordinate system to verify geometric relationships, including properties of triangles, quadrilaterals, and parallel and perpendicular lines. Students will establish triangle congruence criteria and will use congruence as a foundation for the development of formal proof. Additional topics will include angle relationships, 2-3 dimensional figures as well as embedded algebra concepts.  
Prerequisite: Pass Algebra 1.2.
- S42510 GEOMETRY 2 ..... SEMESTER COURSE (9-12)  
 Geometry 2 is the second semester course of a year-long geometry sequence. Students experience with two-dimensional and three-dimensional objects is extended to include informal explanations of circumference, area and volume formulas. Students will continue to work with the Pythagorean Theorem, including properties of special right triangles. Students will develop the Laws of Sines and Cosines in order to find missing measures of general triangles. Students will prove basic theorems about circles and will study the relationship among chords, secants and tangents as an application of similarity. Students will study geometric concepts, mathematical logic, and formal deductive proofs. Students will use the languages of set theory to expand their ability to compute and interpret the probabilities of compound events.  
Prerequisite: Pass Geometry 1.
- S4275 HONORS GEOMETRY ..... YEAR COURSE (9-10)  
 This course is intended for students who enter with above-average mathematical and problem-solving skills. The students will study the same geometric concepts and topics that are covered in Geometry 1 and Geometry 2. However, they will be required to do more challenging problems and complex applications. An emphasis will be placed on the students ability to prove basic theorems using a variety of formats.  
Prerequisite: Pass Algebra 1.  
Note: B or better in Algebra 1.2 or Honors Algebra 1; or proficient or advanced on Algebra 1 EOC is strongly recommended.

- S43100 ALGEBRA 2.1 .....SEMESTER COURSE (10-12)  
 Students will improve algebra skills and progress to more advanced algebra topics. Students will synthesize and generalize what they have learned about a variety of function families. Students will explore systems of equations and inequalities, and find and interpret their solutions. Students will identify zeros of polynomials and make connections between zeros of polynomials and solution of polynomial equations. Additional topics will include operations with real numbers, rational expressions, factorization, solutions of linear and quadratic equations, graphs, rational, irrational, and complex numbers.  
Prerequisite: Pass Geometry 2 or Honors Geometry.
- S43100 ALGEBRA 2.2 .....SEMESTER COURSE (10-12)  
 Students will improve algebra skills and progress to more advanced algebra topics. Students will extend their work with exponential functions to include solving exponential functions to include solving exponential equations with logarithms. Students will identify appropriate types of functions to model situations. Students will see how the visual displays and summary statistics they learned in earlier grades relate to different types of data and to probability distributions. Topics will include operations with polynomials, rational expressions, factorization, solutions of quadratic equations, inequalities, functions, graphs, systems of equations, rational, irrational, and complex numbers.  
Prerequisite: Pass Algebra 2.1
- S4350 HONORS ALGEBRA 2..... YEAR COURSE (9-12)  
 This course is intended for students who have above-average mathematical and problem-solving skills and above average grades in Algebra 1 and Geometry. Students will study the concept of a function as it relates to algebraic, exponential, logarithmic, and trigonometric expressions. First-semester topics will include solutions of linear and quadratic equations, inequalities, and systems, operations with polynomials, rational and irrational expressions, and algebraic functions. Second-semester topics will include exponential, logarithmic and trigonometric functions, and trigonometric identities and equations.  
Prerequisite: Pass Algebra 1.2 and Geometry 2.  
Note: B or better in Algebra 1.2 and Geometry 2 is strongly recommended.
- S4450 HONORS PRECALCULUS ..... YEAR COURSE (10-12)  
 This course will offer students an opportunity to continue the study of advanced algebra topics that will prepare them for the study of calculus. Topics will include polynomial, rational, radical, exponential, logarithmic, and trigonometric functions, and an introduction to conics and vectors.  
Prerequisite: Pass Algebra 2.  
Note: B or better in Algebra 2 is strongly recommended.
- S4510 AP CALCULUS AB.....YEAR COURSE (11-12)  
 Students will study and apply principles of calculus. Topics will include limits, derivatives, and integrals of algebraic and transcendental functions, approximations, applications, and modeling. This course is recommended for college-bound students who plan to major in mathematics or a math-related field. Students taking this course are strongly encouraged to take the AP exam offered in the spring. *Students who take this course are expected to take the AP Exam in May. Scoring a 3 or better on this exam will yield 3-6 credit hours at the vast majority of colleges and universities in the nation.*  
Prerequisite: Pass Precalculus or teacher recommendation.
- S4520 AP CALCULUS BC.....YEAR COURSE (11-12)  
 Students will study the same topics and concepts covered in AP Calculus AB with more detail given to some areas. Additional topics covered include hyperbolic functions, arc lengths and surface of revolutions, indeterminate forms, improper integrals, trigonometric substitution, partial fractions, series, polar coordinates, and vectors. Students taking this course are strongly encouraged to take the AP exam offered in the spring. *Students who take this course are expected to take the AP Exam in May. Scoring a 3 or better on this exam will yield 3-6 credit hours at the vast majority of colleges and universities in the nation.*  
Prerequisite: Pass Calculus AB or teacher recommendation.

- TBD PROBABILITY AND STATISTICS 1.....SEMESTER COURSE (10-12)  
 This course is designed as a general-purpose introduction to the field of statistics and probability. Students will need a working knowledge of algebra in order to successfully solve the problems in this course. The primary objective of this course is to enhance statistical literacy. Topics include organizing and displaying data using various forms of frequency distributions and analyzing data using measures of central tendency, measures of variation and measures of relative standing. Probability concepts will also be studied. Students will solve problems involving permutations and combinations.  
Prerequisite: Pass Algebra 2.2.
- TBD PROBABILITY AND STATISTICS 2.....SEMESTER COURSE (10-12)  
 This course is designed as a general-purpose introduction to the field of statistics and probability. Students will need a working knowledge of algebra in order to successfully solve the problems in this course. The primary objective of this course is to enhance statistical literacy. Topics include probability, probability distributions, the central limit theorem, confidence intervals and hypothesis testing.  
Prerequisite: Pass Probability and Statistics 1.
- S41135 COLLEGE PREP ALGEBRA (DUAL CREDIT /MATH 140).....YEAR COURSE (12)  
 This course is designed to provide the transition from high school algebra courses to college algebra. Its design is that of a college-level intermediate algebra course, complete with a college-level textbook. This course will help students avoid taking remedial/developmental math courses in college, which are costly and time-consuming and may not count toward degree requirements. This course can also provide a good foundation for students who want to take Precalculus the following year.  
Prerequisite: Algebra 2.2.

*MATH LAB: Some students may be identified for an additional math course that will support their learning in Algebra, Geometry or Algebra 2. If chosen, students will be assigned a Math Lab with an additional instructor for that course. During Math Lab, students will participate in enrichment activities that accelerate their mastery of the content.*

## PHYSICAL EDUCATION COURSES

- S8010 HEALTH .....SEMESTER COURSE (10-12)  
 This class explores techniques and choices for maximum wellness. Healthy, responsible choices require awareness about the whole human being, not just physical concerns, but mental, emotional and social components as well. Topics include personal health, physical fitness, first aid, and nutrition. Some pressing concerns confront adolescents today, such as substance abuse, sexual choices and consequences, suicide, and prevention of stress-related illness. Class time and attention will be focused on these major concerns.  
Note: This course is required for graduation in the State of Missouri.
- S8110 COMPREHENSIVE PHYSICAL EDUCATION ..... YEAR COURSE (9-12)  
 This course provides students with an introduction to a variety of activities, personal fitness, swimming, individual and team sports, rules, and game strategies. Lead-up skills and drills will assist students in successfully performing motor skills. Students will also participate in physical fitness testing.  
Note: This course is required for graduation in the State of Missouri.
- S8210 COMPETITIVE SPORTS .....SEMESTER COURSE (10-12)  
 This class incorporates a variety of drills and practical strategies with an in-depth knowledge of game rules to engage the serious student to optimal performance in the game of football, volleyball, and basketball during first semester. Second semester will emphasise basketball, soccer and softball.  
Prerequisite: Pass Comprehensive Physical Education.
- S8310 LIFETIME SPORTS .....SEMESTER COURSE (10-12)  
 The activities in this class will concentrate on sports and personal fitness that will be used throughout the student's adult life. Students will demonstrate skills and game strategies by participating in activities such as bowling, badminton, ping-pong, and volleyball. Students may enroll in both first and second semesters as different sports will be covered.  
Prerequisite: Pass Comprehensive Physical Education.
- S8312 PERSONAL FITNESS TRAINING .....SEMESTER COURSE (10-12)  
 Students will engage in activities such as power walking, body sculpting, Pilates, aerobics, step aerobics, yoga, introduction to beginning weight training, and other light cardiovascular activities that can be incorporated into a healthy lifestyle throughout adult life. Independent study is available for students who are unable to participate in physical activity due to a chronic or short-term disability. A doctor's statement is required for independent study. Specific sports (basketball, football etc.) will not be included in this course.  
Prerequisite: Pass Comprehensive Physical Education.
- S8410 BEGINNING WOMEN'S WEIGHT TRAINING.....SEMESTER COURSE (10-12)  
 This class is for individuals serious about conditioning. Classes will include mastering standard weight room safety and spotting techniques, circuit training, cross training, and other fitness-related activities.  
Prerequisite: Pass Comprehensive Physical Education.
- S8420 BEGINNING MEN'S WEIGHT TRAINING.....SEMESTER COURSE (10-12)  
 This class is for individuals serious about conditioning. Classes will include mastering standard weight room safety and spotting techniques, circuit training, cross training, and other fitness-related activities.  
Prerequisite: Pass Comprehensive Physical Education.

- S8430 ADVANCED WEIGHT TRAINING.....SEMESTER COURSE (10-12)  
 This class introduces more advanced weight lifting techniques and strategies. Circuit training, cross training, and other fitness-related activities are included.  
Prerequisite: Pass Beginning Weight Training.
- S8500 AQUATICS: LEARN TO SWIM.....SEMESTER COURSE (9-12)  
 This course is a beginner course and is intended for students with little or no swimming experience. Students will demonstrate water safety and be introduced to floating, treading water, and beginner swim strokes such as freestyle and backstroke. Students will work at their own pace to reach personal goals. Students in this class will be in the shallow end of the pool (three or four feet of water).
- S8510 LAP SWIM AND STROKE IMPROVEMENT .....SEMESTER COURSE (10-12)  
 Swimming experience is required. Stroke improvement is for the student who is proficient in swimming and would like to improve stroke technique or learn more advanced strokes such as the breaststroke and butterfly. Independent lap swim is for students who want to swim laps to maintain or enhance their level of physical fitness. One lap is 25 yards.  
Prerequisite: Pass Aquatics: Learn to Swim or teacher recommendation.



## PRACTICAL ARTS SEQUENCE

*(Career Clusters and Pathways for Career and Technical Education)*

### Business Management and Administration, Finance and Information Technology

Business Management and Administration	Finance	Information Technology
Personal Finance	Personal Finance	Personal Finance
Computer Applications I	Computer Applications I	Computer Applications I
Computer Applications II	Computer Applications II	Computer Applications II
Accounting I	Accounting I	Computer Programming
Accounting II	Accounting II	Multimedia
Business Management		Web Design
Entrepreneurship		
Supervised Business Employment	Supervised Business Employment	Supervised Business Employment

### Marketing

Marketing
Personal Finance
Fundamentals of Marketing
Sports and Entertainment Marketing
Entrepreneurship

### Human Services

Human Development
Personal Finance
Nutrition and Wellness
Entrepreneurship
Child Development I
Child Development II

### Hospitality and Tourism

Restaurants and Food/Beverage Services
Personal Finance
Nutrition and Wellness
Entrepreneurship
General Foods I
General Foods II
Culinary Arts I (Pro Start I)
Culinary Arts II (Pro Start II)

### Science, Technology and Math

Engineering and Technology (Project Lead the Way)
Introduction to Engineering Design
Principles of Engineering
Civil Engineering & Architecture
Engineering Design and Development (Available in 2017-18)

Woodworking with Residential Wiring and Plumbing is also offered as a practical arts elective.

Course descriptions are listed alphabetically.

## PRACTICAL ARTS COURSES

### *(Career and Technical Education)*

- S7150 ACCOUNTING I .....YEAR COURSE (11-12)  
 This course is designed to build a basic understanding of manual and automated accounting principles, concepts, and procedures. Activities include using the accounting equation, completing the accounting cycle, entering transactions to journals, posting to ledgers, preparing end-of-period statements and reports, managing payroll systems, completing banking activities, calculating taxes, and performing other related tasks.
- S7151 ACCOUNTING II ..... SEMESTER COURSE (12)  
 This course is designed to help students acquire a more thorough, in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Students will develop skills in analyzing and interpreting information common to partnerships and corporations, preparing formal statements and supporting schedules, and using inventory and budgetary control systems. Computer applications should be integrated in each appropriate instructional unit.  
Prerequisite: Pass Accounting I.
- TBD BAKING AND PASTRY ..... SEMESTER COURSE (9 –12)  
 Students will learn baking procedures and processes. The course includes concepts in formulas, measuring and scaling, and chemical reactions of basic doughs, cakes, and batters. Students will explore college and career options in the culinary arts field. Baking and food preparation will be done in small student groups.  
Prerequisite: Pass General Foods I
- S7320 BUSINESS MANAGEMENT.....YEAR COURSE (11-12)  
 This course is designed to help students develop an understanding of skills and resources needed to manage a business. Instruction includes a general overview of American business, forms of business ownership, personnel management, labor-management relations, public and human relations, taxation, and government regulations. The use of computers and software as tools in making business decisions in areas such as accounting, sales analysis, and inventory control is also introduced.
- S7610 CHILD DEVELOPMENT ..... SEMESTER COURSE (11-12)  
 This course will focus on understanding children’s physical, mental, emotional, and social growth. Emphasis will be placed on learning to interact effectively with children, solve problems based upon children’s health concerns at various developmental stages, assess the impact of quality child care on the child, family, and society, and make decisions that support ethics and professionalism in child development centers.
- S7120 COMPUTER APPLICATIONS I.....SEMESTER COURSE (9-12)  
 This entry-level course is designed to help students master beginning and advanced skills in the areas of word processing, database management, and integrated software applications.
- S7121 COMPUTER APPLICATIONS II .....SEMESTER COURSE (9-12)  
 This course is designed to help students master beginning and advanced skills in the areas of word processing, database management, spreadsheet applications, desktop publishing, multimedia, Internet usage, and integrated software applications.  
Prerequisite: Pass Computer Applications I.
- S7840 COMPUTER PROGRAMMING .....SEMESTER COURSE (10-12)  
 This course focuses on converting problems into detailed plans, writing code into computer language, testing, monitoring, debugging, documenting, and maintaining computer programs. Students will also design programs for specific uses.

- S7830 COMPUTER SYSTEMS TECHNOLOGY ..... SEMESTER COURSE (10-12)  
Students apply problem-solving skills to business situations exploring computer maintenance activities. Students will analyze software problems, install software applications programs and customize defaults, connect components of a local area network, use basic network protocol, and troubleshoot network problems.
- S7530 CULINARY ARTS I ..... YEAR COURSE (10-12)  
The Culinary Arts I course is designed to introduce students to the basics of the restaurant, food service, and lodging industries, as well as employment opportunities within the hospitality industry. Students will review food safety and sanitation principles before they progress to food preparation. Soups, sauces, fruits, vegetables, and grain products will be the areas of study for food preparation. Communication essentials including workplace conduct, management skills, and meeting customer's needs and expectations will be addressed, as well as the essentials needed in building a successful career in the food service, restaurant, and lodging industries.  
Prerequisite: Pass General Foods II.  
Note: C or better in General Foods II is strongly recommended.
- S7535 CULINARY ARTS II ..... YEAR COURSE (11-12)  
The focus of the second year of this two-year program is actual food production. The course will include food preparation techniques to appropriately produce breakfast foods, sandwiches, salads, garnishes, meat, poultry, seafood, desserts, and baked goods. In addition to food preparation, the course will cover nutrition, cost controls, purchasing, inventory management, marketing, and sustainability of the restaurant and food service industry.  
Prerequisite: Pass Culinary Arts I.  
Note: C or better in Culinary Arts I is strongly recommended.
- S7810 DRAFTING DESIGN I ..... YEAR COURSE (10-12)  
Drafting Design I will provide students with the opportunity to become familiar with the fundamentals of technical drawing and the significance it has in 21st century life. This course allows the student to explore the major areas of machine and electronic drafting. Areas to be covered include sketching, lettering, mechanical drawing, pictorials, views of objects, and dimensioning. Drawings will be assigned with emphasis on accuracy, proper line technique, and neatness. Mechanical drawing and/or Computer Aided Drafting (AutoCAD, Autodesk) will be utilized to complete drawings.
- S7312 ENTREPRENEURSHIP ..... SEMESTER COURSE (11-12)  
An instructional program that provides a background for the development and operation of a business starting with the role of the entrepreneur in the economy to development of a business plan and the application of specific marketing skills and concepts within the business environment.
- TBD FASHION ..... SEMESTER COURSE (9-12)  
Do you love fashion? Dream of becoming a fashion designer? This course is designed for students interested in the field of fashion merchandising/retailing, textiles, and apparel design. Students will explore the social and psychological aspects of clothing, the history of fashion, cross-cultural influence of current dress, the cycle of apparel production and marketing, and the role of advertising.
- S7310 FUNDAMENTALS OF MARKETING ..... YEAR COURSE (11-12)  
An instructional program for students who are interested in a career in the field of marketing and management. This course includes instructional areas designed to provide an understanding of the fundamental marketing processes and an orientation to the American free enterprise system.
- S7525 GENERAL FOODS I ..... SEMESTER COURSE (10-12)  
This class is designed to introduce the principals of food preparation to interested students. Students will become familiar with safety and sanitation techniques, equipment, measuring and following a recipe. The class will spend at least 25% of class time in a hands-on kitchen setting. Food preparation will include quick breads, fruits, eggs and dairy recipes.

- S75250 GENERAL FOODS II .....SEMESTER COURSE (10-12)  
 This class builds on skills taught in General Foods 1. Students will demonstrate food preparation techniques of salads, soups, casseroles, breads, meats, poultry and pastries. Students practice the skills of consumer decision making, meal planning and preparation, kitchen safety and sanitation in the lab setting, teamwork, and leadership. Food presentation and garnishing will be addressed.  
Prerequisite: Pass General Foods I.
- S7860 MULTIMEDIA.....SEMESTER COURSE (10-12)  
 Students will work with multimedia software to develop electronic presentations. They will learn how to manipulate text, art and graphics, photography, animation, audio, and video for presentations in various media formats.
- S7500 NUTRITION AND WELLNESS.....SEMESTER COURSE (9-12)  
 The Nutrition and Wellness class prepares students to understand the principles of nutrition, the relationship of nutrition to health and wellness, meal management to meet individual and family food needs and patterns of living, food economics and ecology, optimal use of the food dollar, understanding and promoting nutritional knowledge, and application of related math and science skills. Competencies identified for this course enable students to construct meaning pertinent to the related aspects of nutrition, health, physiology, and food choices.
- TBD PARENTING.....SEMESTER COURSE (11-12)  
 This course will focus on the following topics: parenting roles and responsibilities, parenting practices that maximize human growth and development, external support systems that provide services for parents and the physical and emotional factors related to beginning the parenting process. Students enrolled in this class will wear the empathy belly and use the Real Care babies.
- S7100 PERSONAL FINANCE .....SEMESTER COURSE (11-12)  
 Understanding and managing personal finances is key to one's future financial success. This one-semester course is based on the Missouri Personal Finance Competencies and presents essential knowledge and skills to make informed decisions about real-world financial issues. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success.  
Note: This course is required for graduation in the State of Missouri.
- S7920 PLTW: INTRODUCTION TO ENGINEERING AND DESIGN (IED)..... YEAR COURSE (9-12)  
 The major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.
- S7925 PLTW: PRINCIPLES OF ENGINEERING (POE) ..... YEAR COURSE (9-12)  
 This survey course exposes students to major concepts encountered in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. Students develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work, and communicate solutions.
- TBD PLTW: CIVIL ENGINEERING & ARCHITECTURE (CEA) .....YEAR COURSE (11-12)  
 Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software.  
Prerequisite: Pass Principles of Engineering (POE) required and Introduction to Engineering Design (IED) recommended.
- TBD PLTW: ENGINEERING DESIGN & DEVELOPMENT (EDD):  
 AVAILABLE SY 2017-18..... YEAR COURSE (12)  
Prerequisite: CEA.

- S7311 SPORTS AND ENTERTAINMENT MARKETING..... SEMESTER COURSE (11-12)  
An instructional program that focuses on marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, selling or renting of supplies and equipment (other than vehicles) used for recreational or sporting purposes, products and services related to hobbies or cultural events, or businesses primarily engaged in satisfying the desire to make productive or enjoyable use of leisure time.
- S7330 SUPERVISED BUSINESS EMPLOYMENT ..... (ONE OR TWO PERIODS) YEAR COURSE (11-12)  
Supervised Business Employment prepares students for employment in the workplace. The academic and practical on-the-job experience relates to the student's career goal. Students who have taken business courses in a particular path career path (Business, Management and Administration, Finance and Information Technology, Finance, Information Technology) are given the opportunity to work in a related occupation while still enrolled in school. The teacher-coordinator works with business and industry to place students in an occupation that will further develop competencies acquired by the student through class work.  
Prerequisite: Concurrently enrolled in a business course.
- S7240 WEB DESIGN ..... SEMESTER COURSE (10-12)  
Rapid technological advancement by business to reach global markets, greater focus on industry certifications and national skills standards, expansion of responsibilities of office workers, portability of employee skills – all these increase the need for business students in career education programs to have skills in Web design and maintenance. This course deals with the use of Web programming languages (HTML, JavaScript, etc.), graphics applications, and other Web authoring tools to design, edit, launch, and maintain Web sites and pages. Such topics as Internet theory, Web page standards, Web design elements, use interfaces, special effects, navigation, and emerging Web technologies will be included.
- S7910 WOODWORKING WITH RESIDENTIAL WIRING AND PLUMBING..... YEAR COURSE (10-12)  
Students are introduced to the construction areas of carpentry, residential wiring, and plumbing. Content includes working safely with tools and machines (hand and power tools), woodworking techniques such as planning, chiseling, jointing, etc., finishing techniques, basic electrical circuits and wiring, and plumbing techniques found in residential homes.



# AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORP COURSES

MINIMUM GRADUATION REQUIREMENTS: None. Course is for elective credit.

*The mission of the AFJROTC program is to build better citizens for America. The goals of the program are to instill values of citizenship, service to the United States, personal responsibility, and a sense of accomplishment in high school students. The objectives of AFJROTC are to educate and train high school cadets in citizenship; promote community service; instill responsibility, character, and self discipline; and provide instruction in air and space fundamentals.*

**HEALTH & WELLNESS NOTE:** *All courses include the JROTC wellness program, which is a minimum of one day a week (usually Friday) of physical fitness exercises and the development of an individual lifetime health and wellness plan. Cadets will be given the opportunity to put into practice the wellness concepts that are taught in Leadership Education I. Activities include team sports enhancing team building and leadership skills. Personal improvement will be rewarding. The program is comprised of 19 exercises (including the 1-mile run). The exercises develop all muscle groups and provide sufficient anaerobic and aerobic intensity.*

## S9110 AEROSPACE SCIENCE 1/LEADERSHIP EDUCATION 1:..... YEAR COURSE (9-12)

### THE SCIENCE OF FLIGHT/ CITIZENSHIP, CHARACTER, & AIR FORCE TRADITIONS/DRILL & CEREMONIES

The Science of Flight is designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. The course begins with a discussion of the atmosphere and weather. After developing an understanding of the environment, how that environment affects flight is introduced. Discussions include the forces of lift, drag, thrust, and weight.

The portion on the Human Requirements of Flight is a survey course on human physiology. Discussed here are the human circulatory system, the effects of acceleration and deceleration, and protective equipment.

Leadership Education 1 introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure; uniform wear, customs, courtesies and other military traditions, health & wellness, fitness, individual self-control, and citizenship.

Drill & Ceremonies introduces the importance of drill with regards to basic military drill. Cadets will learn basic commands and characteristics of the command voice, identify the types of commands used during the basic military drill movements and the necessary qualities of the command voice. Drill may continue throughout each AS year.

## S9120 AEROSPACE SCIENCE 2/LEADERSHIP EDUCATION 2:..... YEAR COURSE (10-12)

### A JOURNEY INTO AVIATION HISTORY/COMMUNICATION, AWARENESS, & LEADERSHIP

A Journey into Aviation History focuses on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern 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 overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets.

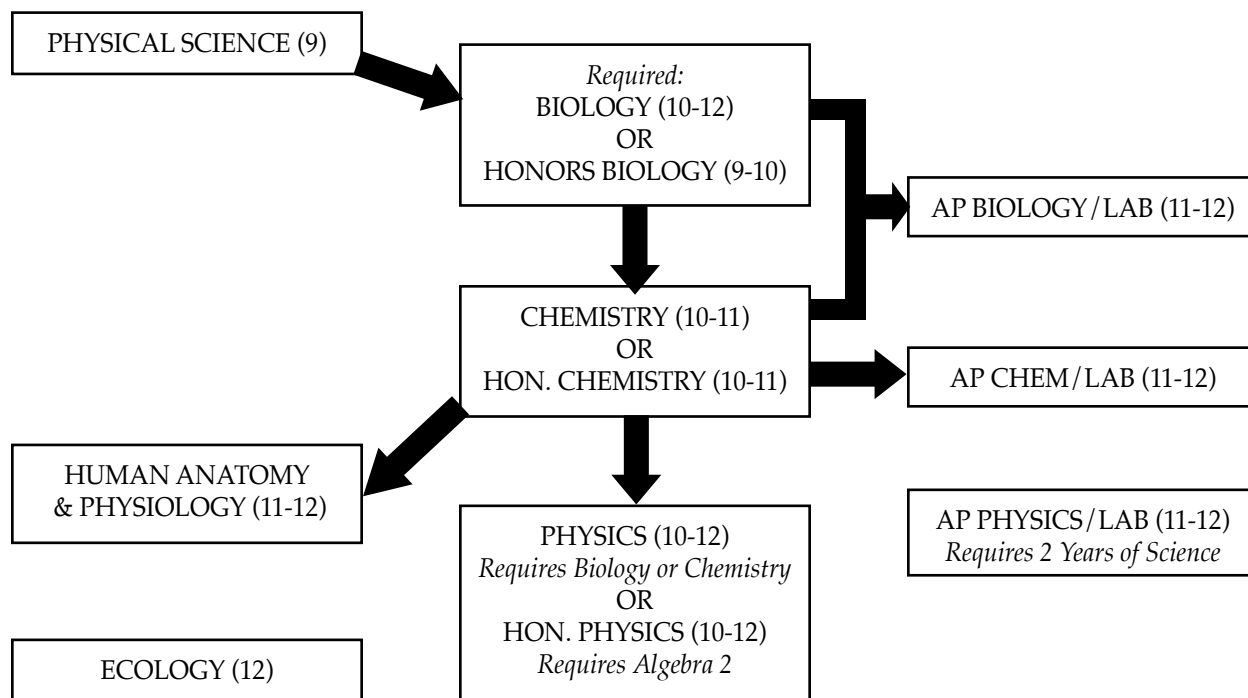
Communication, Awareness & Leadership stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials.

Prerequisite: Pass Aerospace Science 1 and permission of Senior Aerospace Science Instructor / Aerospace Science Instructor.

- S9130 AEROSPACE SCIENCE 3/LEADERSHIP EDUCATION 3:.....YEAR COURSE (11-12)  
EXPLORING SPACE (THE HIGH FRONTIER)/LIFE SKILLS & CAREER OPPORTUNITIES  
Exploring Space (The High Frontier) begins with the study of the space environment from the earliest days of interest in astronomy and early ideas of the heavens, through the Renaissance, and on into modern astronomy. It provides an in-depth study of Earth, Sun, stars, Moon, and solar system, including the terrestrial and the outer planets. It discusses issues critical to travel in the upper atmosphere such as orbits and trajectories unmanned satellites, and space probes, and investigates the importance of entering space and discusses manned and unmanned space flights, focusing on concepts surrounding spaceflight, space vehicles, launch systems, and space missions. The section on manned spaceflight focuses on the Space Shuttle, space stations and beyond, covering milestones in the endeavor to land on the Moon and to safely orbit humans and crafts for temporary and prolonged periods. The course covers the human aspect of spaceflight, focusing on the human experience in space.  
The Life Skills & Career Opportunities component of this course will be helpful to students in deciding which path to take after high school. Information on how to apply for admission to college or to a vocational or technical school is included along with how to begin the job search for students who decide not to go to college or vocational school. Students will learn life skills such as financial planning, legal information, and citizenship.  
Prerequisite: Pass Aerospace Science 1 and permission of Senior Aerospace Science Instructor / Aerospace Science Instructor.
- S9140 AEROSPACE SCIENCE 4: PRINCIPLES OF MANAGEMENT.....YEAR COURSE (11-12)  
This course provides exposure to the fundamentals of management. The text contains many leadership topics that will benefit students as well as provide them with some of the necessary skills needed to put into practice what they have learned during their time in AFJROTC. This course will equip students with the qualities needed to serve in leadership positions within the corps. Throughout the text are many ethical dilemmas, case studies, and role play activities built into the lessons. These activities are based on real life experiences and will allow students the opportunity to practice what they learn by getting involved in discussions and expressing their opinions. During the fourth year, the cadets manage the entire corps.  
Prerequisite: Pass Aerospace Science 3 and permission of Senior Aerospace Science Instructor / Aerospace Science Instructor.

## SCIENCE SEQUENCE

3 or more Science credits are required for graduation.



## SCIENCE COURSES

- S3150 PHYSICAL SCIENCE ..... YEAR COURSE (9)  
This course includes problem solving by using scientific methods, tools of measurement, and scientific models. Topics covered include properties and structures of matter, physical and chemical changes in matter, laws of motion, work, and energy.
- S3250 BIOLOGY ..... YEAR COURSE (10-12)  
Students will be introduced to the scientific study of living things. First semester biology covers cellular biology, genetics, biotechnology, biochemistry. Second semester biology covers evolution, classification, microorganisms, ecology, and comparative zoology. Laboratory experiments are frequently performed. Students will take the Missouri End-Of-Course Biology Exam near the end of their second successful semester of Biology.  
Prerequisite: Pass Physical Science.
- S3210 HONORS BIOLOGY ..... YEAR COURSE (9-10)  
This class is the honors equivalent of Biology. First semester biology covers cellular biology, genetics, biotechnology, biochemistry. Second semester biology covers evolution, classification, microorganisms, ecology, and comparative zoology. Laboratory experiments are frequently performed and students will participate in the UCHS annual biotechnology debate in the spring. Students will take the Missouri End-Of-Course Biology Exam near the end of their second successful semester of Honor Biology.  
Prerequisite: Pass Physical Science or 8th grade teacher recommendation.  
Note: B or better in Physical Science is strongly recommended.

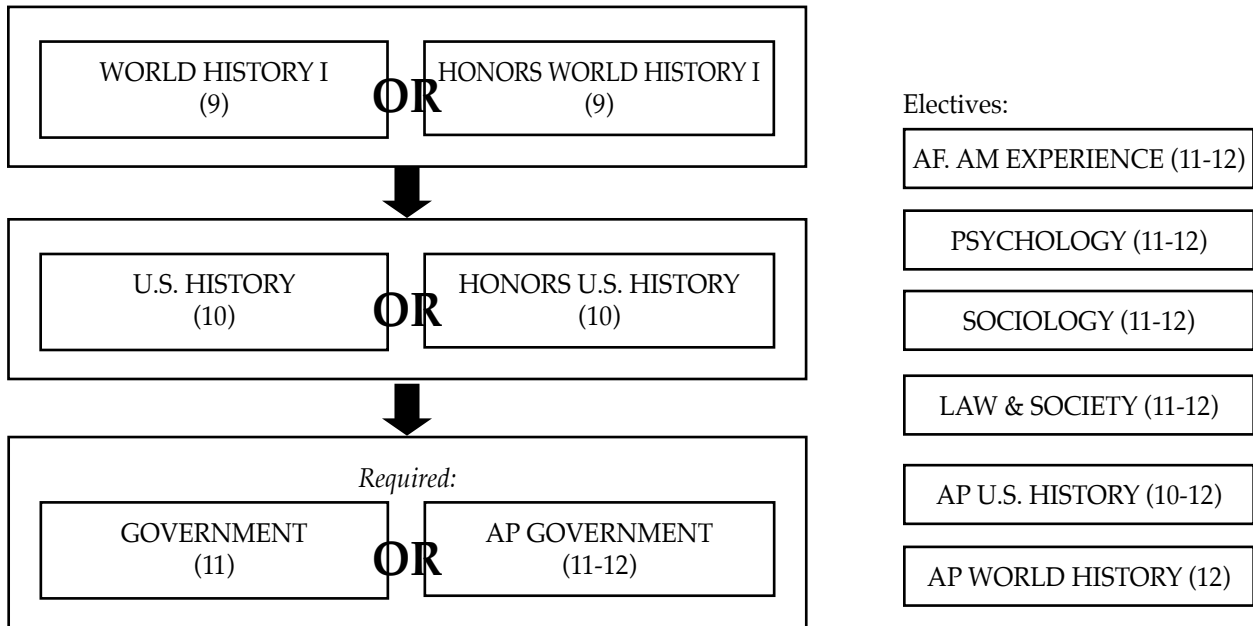
- S3350 CHEMISTRY ..... YEAR COURSE (10-12)  
 Topics covered include chemical bonds, naming compounds, types of reactions, mole and acidbase chemistry.  
Prerequisite: Pass Algebra 1.2.  
Recommended: Pass Physical Science or Biology.
- S3310 HONORS CHEMISTRY ..... YEAR COURSE (10-12)  
 This course is the Honors equivalent of Chemistry. Topics covered include chemical bonds, naming compounds, types of reactions, gas laws, stoichiometry, mole and acid-base chemistry. Topics covered in Honors Chemistry will be taught at a more rigorous and quantitative level than those taught in Chemistry. Students must pass first semester Honors Chemistry to remain enrolled in second semester Honors Chemistry.  
Prerequisite: Pass Algebra 1.2.  
Note: B or better in Physical Science or Biology is strongly recommended.
- S3410 ECOLOGY ..... YEAR COURSE (12)  
 Ecology is the scientific study of living organisms and how they interact with their environment. Students will examine the social relationships among and between animal species. This study will include a look at causes and effects of environmental factors and geographic distribution of animals and plants. Students will make observations and have experiences in the field and lab.  
Prerequisite: Pass Biology or Honors Biology.
- S3420 HUMAN ANATOMY AND PHYSIOLOGY (DUAL CREDIT - BIOLOGY 109) .... YEAR COURSE (11-12)  
 This course is designed for students who wish to take a course in the biological sciences beyond Biology but who do not wish to take Advanced Placement Biology. It will allow students to undertake detailed examination of the ten systems of the human body. The physiology of the major organs will be considered in addition to anatomy. This course is an excellent choice for students interested in pursuing a second Biology course, with emphasis on the Human Body.  
Prerequisite: Pass Physical Science, Biology and Chemistry.
- S3430 PHYSICS ..... YEAR COURSE (10-12)  
 Students will be introduced to theories (models) of the physical world, and to the relationship of these theories to the people and the times in which they were first developed. Topics will include mechanics, electricity and magnetism, and atomic physics. This course includes extensive problem solving.  
Prerequisite: Pass Algebra 2.2, Physical Science and Biology.
- S3435 HONORS PHYSICS ..... YEAR COURSE (10-12)  
 Physics is the study of the laws of nature and how they operate. Students in Honors Physics will develop models that explain and predict the operation of these natural laws through various methods, including hands-on activities and laboratories, minds-on activities, demonstrations and discussions. The course emphasizes conceptual understandings and extensive mathematical problem solving. Topics include Newtonian mechanics, electricity and magnetism and mechanical waves and sound.  
Prerequisites: Completed Algebra 2 or equivalent or taken concurrently.  
Note: B or better in Physical Science or Biology is strongly recommended.

- S3510 AP BIOLOGY .....YEAR COURSE (11-12)  
 This is a rigorous college level course. Topics covered include molecular and cellular biology, physiology, population biology, taxonomy, ecology, and behavior. Students are expected to do extensive out of class preparation. *Students who take this course are expected to take the AP Exam in May. Scoring a 3 or better on this exam will yield 3-6 credit hours at the vast majority of colleges and universities in the nation.* Students must also enroll in AP Biology Lab. Students must pass first semester AP Biology to remain enrolled in second semester AP Biology. Although not a prerequisite, students should highly consider taking Physics before taking a second biology course.  
Prerequisite: Passed Physical Science, Biology and Chemistry.  
 Note: B or better in Physical Science, Biology and Chemistry is strongly recommended
- S3550 AP BIOLOGY LAB .....YEAR COURSE (11-12)  
 This lab course is taken simultaneously with AP Biology. Lab meets during another period of the day to allow for additional laboratory time.
- S3610 AP CHEMISTRY .....YEAR COURSE (11-12)  
 Students will explore the ideas developed in the first-year chemistry course in greater depth as well as learn new material. Topics covered will include quantum theory, measurement, bonding, thermochemistry, thermodynamics, equilibrium, kinetics, and acid-base chemistry. Students are expected to do extensive out of class reading and preparation. *Students who take this course are expected to take the AP Exam in May. Scoring a 3 or better on this exam will yield 3-6 credit hours at the vast majority of colleges and universities in the nation.* Students must also enroll in AP Chemistry Lab. Students must pass first semester AP Chemistry to remain enrolled in second semester AP Chemistry. Although not a prerequisite, students should highly consider taking Physics before taking a second chemistry course.  
Prerequisite: Pass Biology, Chemistry and Algebra 2.  
 Note: B or better in Biology, Chemistry and Algebra 2 is strongly recommended.
- S3650 AP CHEMISTRY LAB.....YEAR COURSE (11-12)  
 This lab course is taken simultaneously with AP Chemistry. Lab meets during another period of the day to allow for additional laboratory time.
- S3710 AP PHYSICS .....YEAR COURSE (11-12)  
 Students will be introduced to models of gravitation and electricity, and solving problems connected with these models. Topics will include mechanics and electricity. Students are expected to do extensive out of class preparation. Students are also required to attend class during alternating seminar periods. *Students who take this course are expected to take the AP Exam in May. Scoring a 3 or better on this exam will yield 3-6 credit hours at the vast majority of colleges and universities in the nation.* Students must also enroll in AP Physics Lab.  
Prerequisite: Pass Biology and Chemistry. Pass or take Calculus concurrently.  
 Note: B or better in Biology and Chemistry is strongly recommended.
- S3750 AP PHYSICS LAB .....YEAR COURSE (11-12)  
 This lab course is taken simultaneously with AP Physics. Lab meets during another period of the day to allow for additional laboratory time.



## SOCIAL STUDIES SEQUENCE

*3 or more Social Studies credits are required for graduation.*



## SOCIAL STUDIES COURSES

- S2110 WORLD HISTORY.....YEAR COURSE (9)**  
 The purpose of the study of World History is to create a better understanding of why individuals, families, communities, and nations cooperate and compete with one another. Exploring how and why ideas from the past have worked or failed is essential to developing critical and independent thinkers who can make positive contributions to the world. Topics will include Eastern and Western philosophy and major religions; European foundations; The Renaissance and The Reformation; Nationalism, Imperialism, and Democratization; historic events in Africa, Asia, Europe, and the Americas; historical international conflicts; and much more.
- S2150 HONORS WORLD HISTORY.....YEAR COURSE (9)**  
 Honors World History is a one-year course of study that successfully integrates content, ideas, and performance skills to develop oral communication, critical thinking and study, fluent writing, and constructive research. The focus of the course is the interaction among world cultures and the significant social, political, and economic events that shape the lives of the people of the countries studied. The diffusion and diversity of the groups studied provide a unique historical perspective for the students. This comprehensive course of study covers prehistoric events to the present century, including western and non-western civilizations. Students will be taught to identify unstated assumptions, analyze primary and secondary sources, determine strength of arguments, and judge the validity and accuracy of information and claims. Topics that will be covered in the course are The Golden Ages of Asia, Africa and Middle East; continuity and change in Asia and Africa; the impact of scientific thought; democratic revolutions; wars for independence; and global challenges 1945 - present.  
Prerequisite: Teacher recommendation.

- S2310 U.S. HISTORY ..... YEAR COURSE (10)  
University City requires students to take this course during the sophomore year. Students will survey United States history from the end of the 19th century to the present with emphasis on the 20th century. Students will analyze issues in great detail and read a variety of materials. Special attention will be given to the history of African Americans, other minorities, women, and the labor movement. This course will trace the ideas and traditions that are fundamental to the American government while focusing on significant individuals and organizations that have influenced the American political system. Considerable emphasis will be placed on current problems, civil rights, world leadership, capitalism, and the U.S. economic system.
- S2311 HONORS U.S. HISTORY ..... YEAR COURSE (10)  
University City requires students to take this course during the sophomore year. In this course, students will survey United States history from the end of the 19th century to the present. Study topics include the social, economic, and political development of the nation throughout the 20th century. Study topics also include women, African Americans, and other minorities. Learning activities include research projects, role-playing, primary and secondary source evaluations, debating, inductive and deductive reasoning activities, and other hands-on student learning. Students will complete a major paper or project each semester.  
Prerequisite: Pass World History.  
Note: B or better in World History is strongly recommended.
- S2375 AP U.S. HISTORY ..... YEAR COURSE (10-12)  
In this elective course, students who want to study historical events in depth will study the Colonial Period to the present following a college-driven curriculum. Topics will be analyzed in great detail and past events will be related to current issues. Students will read a college-level text and additional advanced supplementary readings. Document-based questions, discussions, and writings are a major component of the learning activities in this course. Assessments often model the AP Exam format. This rigorous course parallels college-level courses and meets the expectations of the College Board for a United States History Advanced Placement course. *Students who take this course are expected to take the AP Exam in May. Scoring a 3 or better on this exam will yield 3-6 credit hours at the vast majority of colleges and universities in the nation.* Summer reading of designated books and documents are a requirement of this course.  
Prerequisite: Pass World History.  
Note: B or better in a prior social studies course is strongly recommended.
- S2320 GOVERNMENT ..... YEAR COURSE (11)  
Missouri law requires that all students take and pass a government or civics class and pass Missouri and U. S. Constitution exams in order to meet state graduation requirements. Students in this course will learn about the foundations of the government of the United States of America, the State of Missouri, and local governments. Students will have learning activities to help understand the three branches of government and how they work, including an in-depth study of the political system and roles of citizens in this process. Students will also compare other political systems and philosophies with the democratic republic of the U.S. A major goal is that students (all of whom will soon be able to vote) will be well-informed citizens who understand the political processes that operate around them locally, statewide, and nationally.

- S2376 AP GOVERNMENT .....YEAR COURSE (11-12)  
 Missouri law requires that all students take and pass a government or civics class and pass Missouri and U. S. Constitution exams in order to meet state graduation requirements. Students in this course will learn about the foundations of the government of the United States of America, the state of Missouri, and local government. Students will study in depth the U.S. political system, historical documents, individuals and organizations that have impacted the government from pre-colonial days through the 21st century, and the roles and responsibilities of citizenship. This rigorous course parallels college-level courses and meets the expectations of the College Board for a Government Advanced Placement course. *Students who take this course are expected to take the AP Exam in May. Scoring a 3 or better on this exam will yield 3-6 credit hours at the vast majority of colleges and universities in the nation.* Summer reading of designated books and documents are a requirement of this course.  
Prerequisite: Pass U.S. History.  
Note: B or better in U.S. History is strongly recommended.
- S2377 AP WORLD HISTORY .....YEAR COURSE (11-12)  
 This course offers a secondary school equivalent to an introductory college course. The purpose of the course is to develop a greater understanding of the evolution of global processes and contacts in interaction with different types of human societies. The curriculum highlights a combination of factual knowledge, appropriate analytical skills, and a high level of document-based writing assignments. The course builds on understanding historical evidence through cultural, institutional, and technological precedents that, along with geography, set apart different human civilizations. Specific themes and periodization is explicitly discussed to give chronological order of world events to make the class balanced and challenging. This rigorous course parallels college-level courses and meets the expectations of the College Board for a Government Advanced Placement course. *Students who take this course are expected to take the AP Exam in May. Scoring a 3 or better on this exam will yield 3-6 credit hours at the vast majority of colleges and universities in the nation.* Summer reading of designated books and documents are a requirement of this course.  
Prerequisite: Pass or take Government concurrently.  
Note: B or better in a prior social studies course is strongly recommended.
- S2411 PSYCHOLOGY.....SEMESTER COURSE (11-12)  
 This is a survey course covering various psychological concepts. Topics include development, socialization, perception, communication, deviant behavior, pathology, and personality theory. Students will be required to write at least four analytical papers during this course.  
Prerequisite: Pass U.S. History.
- S2421 SOCIOLOGY.....SEMESTER COURSE (11-12)  
 Students will be introduced to the tools of inquiry through minor and major projects requiring individual or team research. Students will be required to seek solutions to social problems using methods that are scientifically and logically sound. Students will analyze five major social institutions: the family, education, religion, politics, and economics. Students will also discuss social change in developing and advanced nations and the essentials of ethnic, urban, industrial, and political sociology.  
Prerequisite: Pass U.S. History.
- S2431 LAW AND YOU .....SEMESTER COURSE (11-12)  
 Law and You is a year-long elective course that teaches the basic understanding of the foundations of law. Major units include basic foundations and principal of legal matters, criminal law, civil law, family law, consumer law, juvenile law, and constitutional law.  
Prerequisite: Pass U.S. History.
- S2441 AFRICAN AMERICAN EXPERIENCE .....SEMESTER COURSE (11-12)  
 Students will survey the experiences of African Americans and their ancestors. During this course curriculum will focus on the history and culture of ancient Africa and its contributions and impact on the world. Students will learn about Kwanzaa and celebrate this African American holiday.  
Prerequisite: Pass U.S. History.

## ELECTIVE COURSES

S9100 ACT PREP ..... SEMESTER COURSE (11-12)

This course is intended to help students achieve the highest ACT score possible, improving test scores by 1 to 2 points. The course focuses on ACT testing strategies, practice, and targeted review of test-specific mathematics and communication arts content. Students will take two full-length practice tests to rehearse use of the testing strategies learned in the course. Students will practice with graphing calculators for the math subtest. This course is designed for seniors to take in fall semester, and for juniors to take in spring semester. Enrollees must register for and complete the ACT test in the semester of enrollment or the following semester to get course credit. Students will be enrolled in an E2020 ACT course concurrently and must successfully complete the course prior to end of the semester.

Prerequisite: Seniors in the fall and juniors in the spring.

## SPECIAL SCHOOL DISTRICT COURSES

### MATH: PRE ALGEBRA..... YEAR COURSE (9-10)

Pre-Algebra offers students an opportunity to continue their study on the fundamental mathematical concepts learned at the middle school level and prepare for transition into Algebra 1. Students will focus on rational numbers, relationships, order of operations, and ways of representing them. Basic characteristics of two and three dimensional shapes will be covered. Students will learn about the measurable attributes of objects and use appropriate units to find area and perimeter. Using data displays, students will analyze and make interpretations, calculate the mean, median and mode. Students will understand and apply basic concepts of probability. Additional topics include representing and analyzing mathematical situations using elementary algebra. Students will complete the course at a pace compatible with their learning and use supplementary material for multi-sensory experiences.

Prerequisite: IEP team decision.

### MATH: PARALLEL ALGEBRA I ..... YEAR COURSE (9-12)

Parallel Algebra 1 is a modified curriculum course which uses supplementary materials and activities to teach the basic concepts and skills of elementary algebra. Skills to be covered at a gradual pace include: analyzing and explaining the process of solving equations, writing, interpreting, and translating between forms of linear equations and inequalities, function notation, domain and range, translating expressions and equations, operations with real numbers, properties of real numbers, measures of central tendency, ratios and proportions, systems of equations, exponential functions, and operations with polynomials.

Prerequisite: IEP team decision.

### MATH: PARALLEL GEOMETRY ..... YEAR COURSE (9-12)

Parallel Geometry is a year-long geometry sequence. Students will study geometric concepts, mathematical logic, and deductive proofs. Students will build on their work with the Pythagorean Theorem in the 8th grade to find distances, use a coordinate system to verify geometric relationships, including properties of triangles, quadrilaterals, and parallel and perpendicular lines. Students will establish triangle congruence criteria with postulates. Additional topics will include angle relationships, 2-3 dimensional figures as well as embedded algebra concepts. Students will complete the course at a slower pace and use supplemental materials for learning.

During second semester, students experience with two-dimensional and three-dimensional objects is extended to include informal explanations of circumference, area, and volume formulas. Students will continue to work with the Pythagorean Theorem, including properties of special right triangles. Students will develop the Laws of Sines and Cosines in order to find missing measures of general triangles. Students will study geometric concepts, mathematical logic, and deductive proofs. Students will use the languages of set theory to expand their ability to compute and interpret the probabilities of compound events. Students will complete the course at a slower pace and use supplemental materials for learning.

Prerequisite: Algebra 1. 2 and IEP team decision.

### MATH: PARALLEL ALGEBRA II ..... YEAR COURSE (9-12)

Parallel Algebra 2 is a modified curriculum course which uses supplementary materials and activities to improve algebra skills and progress to more advanced algebra concepts. Skills to be covered at a gradual pace include: functions, systems of equations and inequalities, polynomial equations, operations with real number rational expressions, factorization, solutions of linear and quadratic equations, exponential functions, and operations with polynomials.

Prerequisite: Algebra I, Geometry, and IEP team decision.



- SCIENCE: PARALLEL PHYSICAL SCIENCE ..... YEAR COURSE (9-12)  
This course includes problem solving by using scientific methods, tools of measurement, and scientific models. Topics covered include properties and structures of matter, physical and chemical changes in matter, laws of motion, work, and energy. Students are able to work at a slower pace and utilize supplemental resources to ensure in depth understanding of the material.  
Prerequisites: IEP team decision.
- SCIENCE: PARALLEL BIOLOGY ..... YEAR COURSE (9-12)  
Students will be introduced to the scientific study of living things. The course covers cellular biology, genetics, biotechnology, biochemistry, evolution, microbiology, comparative zoology, and ecology. Laboratory experiments are frequently performed and the scientific process is considered when performing lab experiments. Students are able to work at a slower pace and utilize supplemental resources to ensure in depth understanding of the material.  
Prerequisites: IEP team decision.
- SOCIAL STUDIES: PARALLEL WORLD HISTORY ..... YEAR COURSE (9)  
Students will compare governmental, social and cultural systems using a global perspective. There will be an emphasis on geography and its impact on civilizations. Students will create a better understanding of why individuals, families, communities, and nations cooperate and compete with one another. Students will explore how and why ideas from the past have worked or failed. Emphasis will also be placed on developing stronger reading, writing, organization, and task management skills while working with the World History content.  
Prerequisite: IEP team decision.
- SOCIAL STUDIES: PARALLEL U.S. HISTORY ..... YEAR COURSE (10)  
Students will survey United States History from the end of the 19th century to the present with emphasis on the 20th century. Students will analyze issues in great detail and read a variety of materials. Special attention will be given to the history of African-Americans, other minorities, women, and the labor movement. This course will trace the ideas and traditions that are fundamental to the American government while focusing on significant individuals and organizations that have influenced the American political system. Considerable emphasis will be placed on current problems, civil rights, world leadership, capitalism, and the U.S. economic system. Emphasis will also be placed on developing stronger reading, writing, organization, and task management skills while working with the U.S. History content.  
Prerequisite: IEP team decision.
- SOCIAL STUDIES: PARALLEL U. S. GOVERNMENT ..... YEAR COURSE (10)  
Parallel U.S. Government meets the State of Missouri's requirement for a Civics course. Students in this course will learn about the foundations of the government of the United States of America, the State of Missouri and local governments. They will have learning activities that will help them to understand the three branches of government and how they work. Included in their learning experiences are in-depth studies of the U.S. political system and the roles of citizens in this process. Students will also compare other political systems and philosophies with the democratic republic of the U.S. A major goal is that students, all of whom will soon be able to vote, will be well informed citizens who understand the political processes that operate around them locally, statewide and nationally. Students will also focus on IEP goals in the areas of reading, writing, learning and study strategies. Critical thinking skills will be taught through using the content found in Government class and developing and applying problem solving strategies to real life experiences. They will learn to draw inferences from their readings, use deductive and inductive logic, and examine problems and proposed solutions from multiple perspectives.  
Prerequisite: IEP team decision.

ENGLISH LANGUAGE ARTS: PARALLEL LITERATURE I ..... YEAR COURSE (10)

This is a course designed to parallel S1110, Literature and Composition I. Students will read a variety of texts with a focus on the choices authors make as they tell their stories. Students will improve critical reading and analysis skills through making inferences, noticing patterns, and recognizing symbolism. There is a focus on grammar and writing skills.

Prerequisite: IEP team decision.

ENGLISH LANGUAGE ARTS: PARALLEL LITERATURE AND COMPOSITION II ..... YEAR COURSE (10)

This is a course designed to parallel S1210, Literature and Composition II. Students will read a variety of texts with a focus on the choices authors make as they tell their stories. Students will improve critical reading and analysis skills through making inferences, noticing patterns, and recognizing symbolism. There is a focus on grammar and writing skills.

Prerequisite: LCI full-year credit and IEP team decision.

ENGLISH LANGUAGE ARTS: PARALLEL AMERICAN LITERATURE AND COMPOSITION ... YEAR COURSE (11)

Students will be exposed to a variety of texts which include novels, short stories, poetry, and film which are considered relevant and unique to the American experience. Through specialized instruction, students will understand the historical, social and literary context and relevance of texts. Students will increase, develop and strengthen writing abilities in a variety of academic genres. Students will increase their ability to understand the conceptions of standard English usage and conventions in formal assignments. Students will increase their interpersonal communications skills through a variety of activities, group projects, and speaking and listening exercises in the classroom.

Prerequisite: Pass Literature and Composition II and IEP team decision.

ENGLISH LANGUAGE ARTS: PARALLEL WORLD LITERATURE AND COMPOSITION ..... YEAR COURSE (12)

Students will be exposed to a variety of texts which include novels, short stories, poetry, and film which are considered relevant to the human race throughout the world. Through specialized instruction, students will understand the historical, social and literary context and relevance of texts. Students will increase, develop and strengthen writing abilities in a variety of academic genres. Students will increase their ability to understand the conceptions of standard English usage and conventions in formal assignments. Students will increase their interpersonal communications skills through a variety of activities, group projects, and speaking and listening exercises in the classroom.

Prerequisite: Pass American Literature and IEP team decision.

PRACTICAL ARTS: PARALLEL PERSONAL FINANCE ..... SEMESTER COURSE (11-12)

This course is designed for students with an IEP, and curriculum is modified to best meet the needs of individual students. This one-semester course is based on the Missouri Personal Finance Competencies and presents essential knowledge and skills to make informed decisions about real-world financial issues. The course content is designed to help students make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success. This course is required for graduation in the State of Missouri.

Prerequisite: IEP team decision.

PRACTICAL ARTS: COMMUNITY WORK EXPERIENCE ..... YEAR COURSE 3.0 CREDITS (10-12)

This course is a volunteer program providing “hands on” experiences to qualified students recommended by teachers. It involves leaving the campus from 7:30 AM to approximately 10:00 AM on Mondays, Tuesdays, Thursdays, and Fridays. Instruction is primarily at the work site with department employees acting as natural supports in conjunction with the high school teacher, and in the classroom on Wednesdays. Class work, homework, and exams will be based on daily living skills, social skills, and occupational guidance. Transportation to the work site is provided by school bus.

Prerequisite: Completion of at least one year of high school, teacher recommendation, and IEP team decision.

Note: Elective & Practical Arts Credits.

ELECTIVE: CAREERS 1&2 ..... YEAR COURSE (10-12)

This course is designed for students with an IEP, age 16 and older who have goals reflecting a need for work experience in a competitive setting, and who are eligible as clients of Vocational Rehabilitation (VR). Students will explore potential careers using a variety of resources. Students will learn how to find and maintain employment, and earn competitive wages.

Prerequisite: Enrolled in Work Experience Program.

Note: Elective Credit.

ELECTIVE: LEARNING STRATEGIES..... YEAR COURSE (9-12)

Students will explore what it means to be a learner, what learning looks like, why it is important, and how learning can impact a person's life. As students explore the fundamentals of learning, students will be exposed to a wide variety of strategies that can be applied to their core and elective courses. Students will also work on developing stronger reading, writing, organizational, study, and task related skills.

Prerequisite: IEP team decision.

ELECTIVE: UZONE..... YEAR COURSE (9-12)

This support transition program is a multi-disciplinary program designed to build a strong academic and emotional foundation which will empower students to use their strengths to overcome barriers to academic success and actualize their full potential. Using a social-emotional curriculum, this course offers a safe and supportive environment where students can explore the issues that might be contributing to their academic difficulties. Students must meet certain entry criteria as determined by the U-Zone building team.

Prerequisite: UZONE team recommendation.

ELECTIVE: COMMUNITY WORK EXPERIENCE ..... YEAR COURSE 3.0 CREDITS (10-12)

Students get hands-on experience in a variety of jobs at a local business through a volunteer program. They also experience job-related activities such as completing applications and interviewing and exploring independent living skills such as banking and budgeting. Students are required to get a Hepatitis A shot before beginning. A uniform is required: white polo-style or button-up shirt, black slacks, and black shoes for males; white blouse or polo-style top, black slacks or dress of appropriate length, and black shoes for females. Transportation is provided. This class requires a block of time involving three class periods (1, 3, 4). Credits are elective.

Prerequisite: Completion of at least one year of high school, teacher recommendation, and IEP decision.

COMMUNITY BASED INSTRUCTIONAL PROGRAM PART I ..... YEAR COURSE 2.0-3.0 CREDITS (9-10)

This course is offered in a block in the beginning of the school day. The goal is to help students gain work and social skills in a real work setting. Students volunteer their time during the school day to learn skills alongside employees. They will also participate in weekly trips in the community to gain social, academic, community, and life skills. Students will work on functional and work-related academics along with self advocacy and social skills. They may also take extra classes in the afternoon that build on the skills from the morning instructional block. A uniform may be required. Credits may be electives or core.

Prerequisite: IEP team decision.

COMMUNITY BASED INSTRUCTIONAL PROGRAM PART II..... YEAR COURSE 2.0-3.0 CREDITS (11-12)

This course is offered in a block schedule at the beginning of the school day. The goal is to help students gain work and social skills in a real-world vocational setting. Students volunteer their time during the school day to learn job skills alongside actual employees. They will also participate in weekly trips throughout the community to gain social, academic, community access, and life skills. When in the classroom, the students will work on functional and work-related academics along with self-advocacy and social skills. In addition, students may take elective or core classes in the afternoon to help build on the skills from the morning instructional block.

Prerequisite: IEP team decision.

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## **UNIVERSITY CITY HIGH SCHOOL**

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Principal..... Mr. Michael Maclin  
Assistant Principal / Athletic Director ..... Mr. Malcolm Hill  
Assistant Principal ..... Ms. Susan Hill  
Special School District Secondary Coordinator..... Dr. Stephanie Berry

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