



**HIGH SCHOOL
CAREER & EDUCATION
PLANNING GUIDE**

2026-2027



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HOLDEN SCHOOL DISTRICT

Strategic Plan 2023-2028



Our Mission:



The mission for Holden R-III School District is for all students, upon graduation, to have marketable skills or the basis to be eligible for post-secondary educational opportunities.

Our Vision:



We believe that:

- Education allows an opportunity for the maximum development of each individual;
- Education provides basis for the individual to achieve;
- A democratic society encourages the individual to become a productive, responsible member of society;
- A democratic society emphasizes democratic values and citizenship;
- Teachers provide opportunities for the individual to achieve;
- Teachers create a learning environment which encourages individual motivation;
- Parents/Guardians embrace a basic confidence in the school;
- Parents/Guardians cooperate and encourage the child to give his/her best efforts;
- Students possess attitudes conducive to fulfilling the responsibilities in the learning process

Our Goals:



1. The % of students scoring at or above the proficient level on state ELA and Math assessments or approved internal assessments will increase annually to meet or exceed the annual "on track" MSIP target for all students and subgroups
2. The district will implement college and career readiness programs that reflect the needs of our students
3. The district will investigate alternative education programs to meet the needs of our students
4. The district will maintain high quality programs that support the well-being of all students
5. The district will maintain appropriate programs and facilities to provide for further whole-child development beyond the school day
6. The district will employ highly qualified staff members that meet the needs of our students
7. The district will create and monitor annual budgets that promotes each student's academic success while maintaining a responsible and responsive fiscal plan
8. The district will maintain safe and appropriate facilities and procedures for students and staff

Holden R-III School District  1612 S Main Street Holden, MO 64040
(816) 732-5568 holdenschools.org

HHS Mission Statement

Holden High School cultivates respect, helping students grow into confident, responsible individuals who impact their community.

Introduction

This High School Career and Education Planning Guide has been developed for the students and parents in the Holden School District to present important information about programs and courses offered at the high school campus. Students and parents should be able to combine the information in the Career and Education Planning Guide with advice received from teachers, counselors, and administrators in order to make decisions about courses that will provide students with the education they need for their future plans. Students and parents are encouraged to utilize the High School Career and Education Planning Guide, which is located on the Holden District Website under Our Schools, Holden High School, Quick Links

[Career & Education Planning Guide](#)

Students develop an Individual Career and Academic Plan (ICAP) to guide them toward their post-graduation and career goals. It is important to select courses very carefully to fulfill that plan. Although this High School Career and Education Planning Guide has fairly definitive explanations of each course approved for offering at Holden High School, questions often arise about course content or graduation requirements. Please address those questions to the high school counselors and principals. Faculty and staff are excited about the opportunities available for students in the Holden School District.

Notice of Non-Discrimination

In accordance with the provisions of the Americans With Disabilities Act of 1990, Title VI of the Civil Rights Act of 1964 (as amended), Title IX of the Educational Amendments of 1972, P.L. 93-112, and Section 504 of the Rehabilitation Act of 1973 and the regulations thereunder, it is the policy of the Holden R-III School District that no person shall, because of age, sex, race, disability, or national origin be excluded from participation in, be denied the benefits of, or subjected to discrimination under any education program or activity of the District, including the employment of staff personnel. Written district policies concerning the rights and responsibilities of employees and students are available at the Holden R-III School District's Central Office, located at 1612 South Main Street. Inquiries by persons about their protection against discrimination under The Americans With Disabilities Act, Title IX, Title VI, or P.L. 93-112 and the Section 504 may be directed to:

Holden R-III School District
Attn: Director of Special Services
1612 South Main Street, Holden, MO 64040
(816) 850-4444
ahephner@holdenschools.org

High School Address and Phone Number

HOLDEN HIGH SCHOOL

Kyle Stoecklein, HS Principal
Tyler Jolly, Assistant HS Principal
1901 South Main Street
Holden, Missouri 64040
816-732-5523
<https://www.holdenschools.org>

Counseling Department

HOLDEN HIGH SCHOOL • 816-732-5523 • <u>COUNSELOR ASSIGNMENTS</u>		
Counselor	Phone Number	Email Address
Alex Hernandez: Class of 2030	816-850-4444 Ext 2012 (Middle School) Ext 2111 (High School)	ahernandez@holdenschools.org
Melissa Kackley: Class of 2027 & 2029	816-850-4444 ext 7015	mkackley@holdenschools.org
Tori Powell: Class of 2028 & 2030	816-850-4444 ext 7016	tpowell@holdenschools.org

Graduation Requirements

The Career and Education Planning Guide has been compiled to assist students in making decisions related to academic planning and preparation for their career path. It is intended to be a source of information when making course selections for the upcoming school year. The listed courses represent offerings from all academic departments. Parents/guardians and students should understand that all courses listed in the Career and Education Planning Guide will be included in the building's master schedule if sufficient student demand exists. Courses are also contingent upon staff availability.

The Counseling Department will assist students with career exploration and educational planning through utilizing Missouri Connections. Counselors will help students create an Individual Career and Academic Plan (ICAP) to serve as a guide for determining which courses students should select during enrollment. Students should also consult parents/guardians and teachers when choosing courses.

The Career and Education Planning Guide is updated annually to reflect the district curriculum at the high school level. Students are required to have a full schedule through their senior year. **The graduation requirements are listed below:**

Classes of 2027 & Beyond

Language Arts	4
Mathematics	3
Science	3
Social Studies	3
Core Elective*	1
Physical Education	1
Fine Arts	1
Practical Arts	1
Health	0.5
Personal Finance	0.5
Electives	10
Total	28

***Any additional Math, Science, or designated CTE course**

The following also apply to graduation from the Holden School District:

1. The State of Missouri requires all students take and pass the U.S. and Missouri Constitution tests before graduation. In addition, students must take and pass an American Civics test produced by the United States Citizenship and Immigration Service. A passing score of **60% or higher** is required on each assessment. Students are given these tests in Government.
2. CPR Requirement: All students are required to complete 30 minutes of CPR training.
3. End-of-Course Assessments: Students are required to complete the following End-of-Course Assessments-Algebra I, Algebra II (only if Algebra I EOC taken in 8th grade), English II, Biology I, and Government.

The following guidelines apply to graduation from the Holden School District:

1. Credit for off-campus instruction under the guidance and direction of the school faculty may be granted for programs approved by the State Department of Education.
2. For some high school transfer students, the number of credits earned prior to enrolling may not align with this school's local graduation requirements. In these cases, students may be eligible to graduate by meeting the **state's minimum 24 graduation credit requirements**, as permitted by state guidelines. School staff will review each transfer student's transcript individually and work closely with the student and family to determine the most appropriate pathway to graduation.
3. Warrensburg Area Career Center (WACC): Please note ½ Math credit, ½ Language Arts credit, and 3 Practical Arts credits will be awarded to students who pass their classes at WACC for the full academic year.
4. Algebra I course taken in 8th grade will be awarded high school credit and grade will be used in calculation of the high school GPA.

Holden High School Course Listing

Course Listing Legend: Bold Print – Required Course * – Weighted Course ** – Weighted and Dual Credit Course
*** – Future Course Offering ♦ – Core Elective ▲ – Designated Science Credit

Note: Courses may include multiple symbols to indicate more than one designation.

	COURSE TITLE (# of graduation credits)		COURSE TITLE (# of graduation credits)
LANGUAGE ARTS	English I (1) English II (1) English III (1) College Prep English (1) Modern Literature (0.5) Classic Literature (0.5) Film & Literature (0.5) Creative Writing (0.5) Professional Writing (0.5) **DC Composition I & II (0.5 credit each) **DC Public Speaking (0.5)	AG SCIENCE	♦▲ Introduction to Animals, Food, & Natural Resources (1) ♦▲ Principles of Agricultural Science-Plant (1) ♦▲ Principles of Agricultural Science-Animal (1) ♦▲ Agricultural Business Foundations (0.5) ♦▲ Animal Health & Veterinary Science (0.5) Introduction to Ag Mechanics (1) Agriculture Construction (1) Greenhouse Operation & Management (0.5) Agriculture Structures (0.5) ***Agriculture Power (0.5) ***▲ Landscape & Turf Management (0.5) ***♦▲ Food Science & Safety (1) ***♦▲ Agriculture Research & Development (1)
MATH	Algebra I (1) Geometry (1) Algebra II (1) Statistics (0.5) Math for Everyday (0.5 or 1) Computer Science I (0.5) *Trigonometry (0.5) **DC College Algebra (0.5) *Calculus (1)	BUSINESS	Introduction to Business (0.5) ♦ Introduction to Graphic Design (0.5) Marketing (1) ♦ Business Technology (1) ♦ Computer Science I (0.5) Business Law (0.5) Entrepreneurship (1) Supervised Business Experience (0.5 or 1) Emerging Business Issues (0.5) ***Business Communication (1)
SCIENCE	Biology I (1) Physical Science (1) *Chemistry (1) *Physics (1) Ecology (1) Anatomy & Physiology (1) Principles of Biomedical Science (1) ***Human Body Systems (1) ***Medical Interventions (1) ***Human Body Systems (1)	Family & Consumer Science	♦ Career & Family Leadership Skills (1) ♦ Foods I (0.5) ♦ Foods II (0.5) Creative Foods (0.5) ♦ Child Development I (0.5) ♦ Child Development II (0.5) Housing & Interiors (0.5) ***Fashion Design & Construction (0.5)
SOCIAL STUDIES	American History (1) World Geography (1) World History (1) American Government (1) Current Events (1) Psychology (0.5) Sociology (0.5) **DC US History to 1877 (0.5) **DC US History from 1877 (0.5) **DC American Government (0.5)	FINE ARTS	HS Band (1) Drumline (0.5) Color Guard (0.5) Jazz Band (0.5) Concert Choir (1) Treble Choir (1) Chamber Choir (1) Art & Design (1) Drawing (1) Painting (1) Ceramics (1) Advanced Art (1) Portfolio (1)
PE/HEALTH	Freshman PE (0.5 or 1) Lifetime Sports (0.5 or 1) Advanced Fitness (0.5 or 1) Health (0.5)	ELECTIVES	Personal Finance (0.5) JAG Spanish I (1) Spanish II (1) Spanish III (1) Yearbook (1) ♦ Gaming Concepts Fundamentals (0.5) Gaming Concepts Interactive Media (1) Mentoring (0.5 or 1)

A+ Scholarship Program

Holden A+ Coordinator
Tyler Jolly
tjolly@holdenschools.org
(816) 732-5523
A+ Scholarship Program HHS

A+ Financial Benefits

Students who meet the A+ requirements will be eligible for two years reimbursed tuition and general activity fees at any Missouri community college, vocational or technical school. This funding is based on yearly allotments made by the state legislature. Many Missouri 4-year universities offer scholarships based upon A+ criteria as well.

A+ Requirements

As long as state funds remain available, students who have met the following requirements upon graduation will receive financial benefits.

- ✓ Be a U.S. citizen or permanent resident.
- ✓ Signed A+ Participant Agreement
- ✓ 2.5 Unweighted Grade Point Average (over 4 years)
- ✓ 95% Attendance (over 4 years) *
- ✓ Have achieved a score of proficient or advanced on the Algebra I end of course exam or a higher level DESE approved end-of-course exam in the field of mathematics.
 - If a student meets all of the eligibility requirements for their high school graduating class except the end of course exam requirement, they may establish eligibility by achieving a combined Pre-ACT or ACT math subscore and high school GPA in accordance with the following scale.

Pre-ACT or ACT Math Score	And	High School GPA
17 or greater	And	2.5 or greater
16	And	2.8 or greater
15	And	3.0 or greater

- ✓ Provide 50 Hours of pre-approved, unpaid, mentoring or tutoring
- ✓ Maintain a record of good citizenship and avoid the unlawful use of drugs and/or alcohol while in grades 9-12
- ✓ Attend a designated A+ high school for 2 years prior to graduation.
- ✓ Completion of a Free Application for Federal Student Aid (FAFSA) prior to becoming eligible for the A+ Financial Reimbursement

*With the exception of field trips and homebound stays, all absences count against a student's attendance percentage.

Upon graduation, A+ certified students must enroll and attend on a full-time basis, a Missouri public community college, vocational or technical school, while maintaining a GPA of 2.5 or higher.

A+ Mentoring & Tutoring Hours

All students seeking A+ certification must complete 50 hours of unpaid mentoring/tutoring. Students receive the appropriate training before beginning their mentoring/tutoring assignment. They learn about the responsibilities assumed by each A+ student, and the opportunities available to earn the hours at Holden Elementary and Holden Middle School. All activities must be sponsored by the school district, take place on school district property and be supervised by school district patrons or personnel. Additionally, A+ hours must be earned by mentoring or tutoring students who are younger in age or ability and be unpaid. Prior approval by the A+ Coordinator is required.

Online Learning

Holden School District offers high school students a multitude of online courses in order to serve a variety of student scheduling needs and prepare students for learning beyond high school. Our online courses are aligned with Holden's vision for student learning and strive to provide a community of learners within the digital learning space. Most online courses are offered through the outside vendor Edmentum for high school credit. Holden also partners with the University of Central Missouri and State Fair Community College for a variety of online college courses.

Students are encouraged to discuss the available options with a counselor during the spring enrollment period.

An online course is a course where most of the instruction takes place online. Courses offered through a partner vendor do not require face-to-face time. All online courses through Edmentum are taught by certified teachers and meet the same national, state and district standards as other Holden course offerings. Any online courses will follow Holden's Traditional Grading Scale.

MOCAP Online Learning

Missouri students may request enrollment in online courses through the Missouri Course Access Program (MOCAP) offered through the Missouri Department of Elementary and Secondary Education (DESE). These courses are offered by outside providers and facilitated outside of the Holden School District. Students enrolling with a MOCAP vendor will unenroll from the Holden School District. Here is a [link](#) to more information regarding MOCAP on the enrollment page of the district website.

Missouri Option Program

The Missouri Option Program is designed to support students who have the capabilities to complete Missouri high school graduation requirements, but for a variety of reasons lack the credits needed to graduate with their class and are at risk of leaving school without a high school diploma. This program allows students to stay in school, to participate in meaningful classes and support services while preparing to take the *High School Equivalency Test (HiSET)*, and to earn a high school diploma. (Note: The HiSET test replaced the GED Test in January 2014.)

Eligible students must meet the following criteria:

- Be at least 17 years old and at least one year behind their cohort class in earning credits required for graduation, or for other significant reasons are unable to complete their diploma with their cohort group.
- Also enroll in other school-supervised instructional activities (Career Education courses, elective courses, volunteer experiences, work experiences, etc.) that lead to the student's classification by the school district as a full-time student.
- Pass a course in Civics or Government and pass a test on the provisions and principles of the US and MO Constitutions.
- Pass a half-credit course in Personal Finance and a half-credit in Health Education.
- Participate in postsecondary and occupational exploration activities.
- Take and pass the *High School Equivalency Exam (HiSET)*.

Upon successful completion of the program, students are awarded a high school diploma. The Missouri Option Program will not be used to circumvent compulsory attendance regulations or to facilitate an early exit.

Students interested in the Missouri Option Program should explore Holden's [WINGS Academy](#) for more information.

Missouri State High School Activities Association Eligibility

Knowing and following all MSHSAA standards will enable a student to protect his/her eligibility for MSHSAA interscholastic competition. Activity participation should be for all students making appropriate progress toward graduation and otherwise in good standing.

For students in grades 9-12:

- The student shall have earned, the preceding semester, a minimum of 3.0 units of credit. This means students must pass 6 of 8 classes the previous semester. This includes in-seat and virtual courses.
- The student shall currently be enrolled in and regularly attending courses that offer 3.0 units of credit. (**Note: A+ tutoring is a non-credit class**)
- A beginning ninth grade student shall have been promoted from the eighth grade to the ninth grade for the first semester of eligibility.
- A student must be making satisfactory progress towards graduation as determined by local school policies. There is a maximum age limit for participation.

NCAA Eligibility Center – Quick Reference Guide Divisions I and II Initial-Eligibility Requirements

Core Courses

- NCAA Division I and Division II require 16 core courses. See the charts below.
- **NCAA Division I will require 10 core courses** to be completed **prior to the seventh semester** (seven of the 10 must be a combination of English, math, or natural/physical science, before your seventh semester. Once you begin your seventh semester, you may not repeat or replace any of those 10 courses to improve your core-course GPA.
- If you have not met all the Division I academic requirements, you may not compete in your first year at college. However, if you qualify as an academic redshirt you may practice during your first term in college and receive an athletics scholarship for the entire year.

Test Scores

- Division I and II use a sliding scale to match test scores and core-course grade point averages (GPA).
- **When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on high school transcripts will not be used.**
- Earn an SAT combined score or ACT sum score matching your core-course GPA on the Division I sliding scale, which balances your test score and core-course GPA. If you have a low test score, you need a higher core-course GPA to be eligible. If you have a low core-course GPA, you need a higher test score to be eligible.

Grade-Point Average

- **Be sure** to look at your high school's list of NCAA Courses on the NCAA Eligibility Center's website: www.eligibilitycenter.org. Only courses that appear on your school's list of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- **Division I** students enrolling full time **before August 1**, should use the website above to determine eligibility to receive athletic aid, practice and to compete during the first year.
- **Division I** GPA required to receive athletics aid and participate in practice on or after **August 1**, is 2.000 (corresponding test-score requirements are listed at the website above).
- **Division I** GPA required to be eligible for competition on or after **August 1**, is 2.300 (corresponding test-score requirements are listed at the website above).
- **Division II** core GPA requirement to receive athletics aid and participate in practice is a minimum of 2.000.
- **Division II** core GPA requirement to be eligible for competition is 2.200.
- **Remember**, the NCAA GPA is calculated using NCAA core courses only.

NCAA Eligibility Center – Quick Reference Guide

Divisions I and II Initial-Eligibility Requirements

DIVISION I (16 Core Courses)	DIVISION II (16 Core Courses)
4 years of English	3 years of English
3 years of math (Algebra I or higher)	2 years of math (Algebra I or higher)
2 years of natural/physical science (1 year of lab if offered by high school)	2 years of natural/physical science (1 year of lab if offered by high school)
1 year of additional English, mathematics, or natural/ physical science	3 years of additional English, mathematics, or natural/ physical science
2 years of social science	2 years of social science
4 years of additional courses (from any area above, or world language or comparative religion/philosophy)	4 years of additional courses (from any area above, or world language or comparative religion/philosophy)

To view the Division I Sliding Scale, visit www.eligibilitycenter.org and enter as an NCAA College-Bound Student-Athlete. Then, click the "Resources" tab, then "U.S. Students." You will be prompted to register for a new account or login to your existing account.

CHECKLIST FOR THE COLLEGE-BOUND STUDENT-ATHLETE

9th Grade:

- ✓ Ask high school counselor for list of high school's core courses.

10th Grade:

- ✓ Register at www.eligibilitycenter.org.
- ✓ Request counselor send official transcript to the NCAA Eligibility Center after four semesters of high school. This must be done for all high schools attended.

11th Grade:

- ✓ Take the ACT or SAT and use the code "9999" to have your official scores sent directly to the NCAA Eligibility Center.
- ✓ Check with your high school counselor to make sure you are on track to graduate with your class and have the required number of core courses.

12th Grade:

- ✓ Request final amateurism certification during your senior year (beginning April 1).
- ✓ Request your final transcript be sent with proof of graduation.

For a complete list of NCAA Courses visit www.eligibilitycenter.org and register or log in as a Student Athlete. Navigate to the "Resources" tab, click "U.S. Students" and then "List of NCAA Courses." Follow the prompts to search for your high school's list by name.

Assessment Information

Standardized tests are designed to give a common measure of students' performance. These assessments help compare an individual's performance with the performance of a group of students from a given class, school, or school system. Standardized achievement tests measure how much students have already learned about school subjects such as reading, math, language skills, or science. On the other hand, standardized aptitude tests measure your student's ability to learn in school. They measure verbal ability, mechanical ability, creativity, clerical ability, or abstract reasoning.

ACT (American College Test): The ACT is a battery of four examinations in English, math, reading, and science reasoning, each of which yield separate scores measuring developed abilities. The ACT is required by many colleges as part of the application process for admission, scholarship determination, dual credit eligibility for some course, and NCAA athletic eligibility determination. It is recommended students register to take the ACT multiple times beginning their sophomore or junior year. The ACT is administered at HHS on the national test dates. Visit www.actstudent.org for more information.

ASVAB (Armed Services Vocational Aptitude Battery): The ASVAB is a multiple-aptitude battery that measures development of academic skills. The ASVAB also provides career information for various civilian and military occupations and is an indicator for success in future endeavors including college, vocational school and/or a military career. The ASVAB is administered to all students during their junior or senior year as part of our District Assessment Plan.

End-of-Course Assessments (EOC): End-of-Course Assessments are required by the Missouri Department of Elementary and Secondary Education for various high school level classes including Algebra I, Algebra II (only for students who took Algebra I EOC during their 8th grade year), Biology, English II, and Government.

PreACT 8/9: The PreACT 8/9 is a college-reading assessment for students in grade 9. It measures skills in English, math, reading, and science and helps identify academic strengths and areas for growth early. Results provide helpful feedback for students, families, and schools to support course planning and future college and career preparation.

PreACT: The PreACT is a practice assessment designed for students in grade 10. It helps students become familiar with the ACT test format while measuring skills in English, math, reading, and science. Results give students, families, and schools an early look at academic strengths and areas for growth and include college and career readiness feedback to help guide future coursework and planning. This assessment is given on the Spring All School Testing date.

PSAT/NMSQT (Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test): The PSAT/NMSQT measures the knowledge and skills in reading, writing and mathematics that are most essential for academic success in college. It serves three purposes: give the student writing practice for the SAT I; is the first step in qualifying for scholarships sponsored by the National Merit Scholarship Corporation and other scholarship programs; give the student the opportunity to participate in the Student Search Service. This is offered to students during their junior year for NMSQT qualification.

SAT (Scholastic Aptitude Test): The SAT is a test used to predict student performance in college. Required by some colleges as part of the application process and scholarship determination, this three-hour test has three main sections—reading, writing, and math. Students must register for one of the off-site test dates by visiting www.collegeboard.org.

TSA (Technical Skills Attainment) & IRC (Industry Recognized Credentials): Technical Skills Attainment exams are used to measure a student's competency level on a skill assessment aligned with industry-recognized certifications in Career and Technical Education (CTE) programs. It is a requirement under The Perkins Act of 2006. Industry recognized credentialing tests are assessments that are subject-specific nationally recognized certificates and/or licensure tests.

Dual Credit/Dual Enrollment Opportunities

DUAL CREDIT

In cooperation with the University of Central Missouri and State Fair Community College, the Holden School District offers dual credit coursework. For certain courses taken for high school credit, students have an option to obtain college credit if eligible. The high school courses with possible dual-credit availability are indicated in the department listings and in the chart on the next page. Such dual credit offerings are contingent upon staff availability and student demand. To enroll for college credit, the Missouri Department of Higher Education has eligibility guidelines.

DUAL CREDIT GUIDELINES FOR ACADEMIC COURSES

The Holden School District offers a unique opportunity for students who desire college credit courses through the University of Central Missouri and State Fair Community College while earning high school credit. Such courses are called dual credit and are listed under **Tentative Dual Credit** courses. **Sophomores are only eligible to take up to two (2) dual credit courses per year.**

These courses include: Public Speaking and Psychology.

To be eligible to enroll in the UCM portion of a dual credit course, the student must:

1. Complete registration in UCM's DualEnroll site (ucmo.dualenroll.com)
2. Meet the UCM Student Eligibility Guidelines*
3. Pay tuition fees for college credit by the announced due date

*UCM STUDENT ELIGIBILITY GUIDELINES

Students who desire to enroll in dual credit courses must meet the eligibility requirements for enrolling in University of Central Missouri's courses as defined by the Missouri Department of Higher Education (MDHE) and UCM policies for all dual credit students:

Grade	Eligibility Criteria
11 th or 12 th graders with a minimum 3.0 cumulative GPA	Automatically eligible
11 th or 12 th graders with a minimum cumulative GPA between 2.50-2.99	Must be recommended by Principal OR Counselor
10 th graders with a minimum 3.0 cumulative GPA	Must be recommended by Principal AND Counselor
9 th graders with a minimum 3.0 cumulative GPA	Must have a minimum ACT composite score of 28 (90 th percentile) and be recommended by Principal AND Counselor

*UCM COURSE PLACEMENT GUIDELINES

Students may meet course placement requirements by satisfying any one of the options listed in the columns below. Requirements may change based on state guidelines or institutional policy. Check program and degree requirements prior to enrollment.

Course	HS GPA & Coursework	ACT/SAT Scores	Accuplacer Scores
ENGL 1020 Composition I	GPA $\geq$ 3.0	ACT English $\geq$ 18	Next-Gen Writing: 250-269
CHEM 1131: General Chemistry I	GPA $\geq$ 3.7 and Algebra II with a minimum grade of A or B in 2 nd semester	ACT Math $\geq$ 24	Next-Gen AAF: 263+
MATH 1111: College Algebra	GPA 3.0-3.49 and Algebra II with a minimum grade of C in 2 nd semester and teacher recommendation	ACT Math 19-21 and Algebra II with a minimum grade of B in 2 nd semester and teacher recommendation	AAF 230-239 and teacher recommendation
	GPA $\geq$ 3.5 and Algebra II with a minimum grade of C in 2 nd semester	ACT Math $\geq$ 22	AAF 240-300
MATH 1112: Trigonometry*	GPA $\geq$ 3.5 and Algebra II with a minimum grade of C in 2 nd semester	ACT Math $\geq$ 22	AAF 240-300

*MATH 1112 does not satisfy UCM's general education math requirements

Meet with the counselor for additional information regarding placement guidelines

Tentative Dual Credit/Dual Enrollment Courses

Content Area	Name of HS Course	College Course ID	College Awarding College Credit	Name of College Course	College Course Credits
Language Arts	UCM DC Composition I	ENGL 1020	UCM	Composition I	3
Language Arts	SFCC DC English I Composition	ENGL 101	SFCC	English Composition I	3
Language Arts	UCM DC Composition II	ENGL 1030	UCM	Composition II	3
Language Arts	UCM DC Public Speaking	COMM 1000	UCM	Public Speaking	3
Language Arts	SFCC DC Public Speaking	COMM 101	SFCC	Public Speaking	3
Language Arts	UCM Comm in Practice	COMM 1050	UCM	Communication in Practice	3
Language Arts	UCM DC Reading Poetry & Drama	ENGL 2010	UCM	Introduction to Reading Poetry & Drama	3
Language Arts	UCM DC Intro to Read Fiction	ENGL 2020	UCM	Introduction to Reading Fiction	3
Language Arts	UCM DC Creative Writing	ENGL 2050	UCM	Creative Writing	3
Language Arts	UCM DC Intro to American Lit	ENGL 2205	UCM	Introduction to American Literature	3
Language Arts	UCM DC Intro to British Lit	ENGL 2215	UCM	Introduction to British Literature	3
Language Arts	UCM DC Intro to World Lit	ENGL 2220	UCM	Introduction to World Literature	3
Mathematics	UCM DC College Algebra	MATH 1111	UCM	College Algebra	3
Mathematics	UCM DC Statistics	ACST 1300	UCM	Basic Statistics	3
Science	UCM DC Intro to Sci: Ecology	BIOL 1003	UCM	Introduction to the Sciences: Ecology	3
Science	UCM DC Human Biology	BIOL 2010	UCM	Human Biology	3
Science	UCM DC Intro to Chemistry	CHEM 1103	UCM	Introduction to the Sciences: Chemistry	3
Science	UCM DC Intro to Sci: Physics	PHYS 1103	UCM	Introduction to the Sciences: Physics	3
Social Studies	UCM DC U.S. History to 1877	HIST 1350	UCM	History of the United States to 1877	3
Social Studies	UCM DC Hist US From 1877	HIST 1351	UCM	History of the United State from 1877	3
Social Studies	UCM DC History of the Modern W	HIST 1402	UCM	History of the Modern World	3
Social Studies	UCM DC Intro to Politics	POLS 1500	UCM	Introduction to Politics	3
Social Studies	UCM DC American Government	POLS 1510	UCM	American Government	3
Social Studies	UCM DC Intro to Criminal Justice	CJ 1000	UCM	Introduction to Criminal Justice	3
Social Studies	UCM DC Ethics in Crim Justice	CJ 2010	UCM	Ethics in Criminal Justice	3

Tentative Dual Credit/Dual Enrollment Courses (continued)

Content Area	Name of HS Course	College Course ID	College Awarding College Credit	Name of College Course	College Course Credits
Social Studies	UCM DC Intro Juvenile Justice	CJ 2700	UCM	Introduction to Juvenile Justice	3
Social Studies	UCM DC Physical Geography	GEOS 1100	UCM	Physical Geography	3
Social Studies	UCM DC General Psychology	PSY 1100	UCM	General Psychology	3
Social Studies	UCM DC Child & Adol Psych Dev	PSY 2220	UCM	Child and Adolescent Psychological Development	3
Social Studies	UCM DC Sociology	SOC 1800	UCM	Introduction to Sociology	3
Personal Finance	UCM DC Personal Finance	FIN 1820	UCM	Personal Finance	3
Fine Art	UCM DC Experiencing Music	MUS 1210	UCM	Experiencing Music	3
Fine Art	UCM DC Intro to Rock Music	MUS 1220	UCM	The Evolution of a Popular Art: An Introduction to Rock Music	3
Fine Art	UCM DC Art History Survey I	ART 1815	UCM	Art History Survey I	3
Health	UCM DC Personal Health	HLTH 1100	UCM	Personal Health	3
Elective	UCM DC Educational Psychology	EDFL 2240	UCM	Educational Psychology	3
Elective	UCM DC Personal Fit & Wellness	KIN 1206	UCM	Personal Fitness and Wellness	3
Elective	UCM DC Bus Info Management	CIS 1600	UCM	Business Information Management	3
Elective	UCM DC Library & Research	LIS 1600	UCM	University Library and Research Skills	2
Elective	UCM DC Elementary Spanish I	SPAN 1601	UCM	Elementary Spanish I	3
Elective	UCM DC Elementary Spanish II	SPAN 1602	UCM	Elementary Spanish II	3
Elective	UCM DC Theater Appreciation	THEA 2400	UCM	Theatre Appreciation	3
Elective	UCM DC Dance Appreciation	DANC 2100	UCM	Dance Appreciation	3
Social Studies	UCM DC Intro Juvenile Justice	CJ 2700	UCM	Introduction to Juvenile Justice	3
Social Studies	UCM DC Physical Geography	GEOS 1100	UCM	Physical Geography	3

Planning for Post-Secondary Success

Students have several options to choose from for their post-secondary plans. Whether they are looking at joining the workforce, enrolling in a college or technical school, or enlisting in the military, a strong foundation of coursework is important. The Holden High School counseling office works with students during the year to complete activities to help them identify areas of interests that leads to a program of study which will assist them when selecting courses. The following pages provide many tools to help our students choose the courses and activities that are most relevant to their post-secondary plans.

Missouri Connections: This is a comprehensive online platform that provides students, parents, and educator with educational planning resources and is sponsored by the Missouri Department of Elementary and Secondary Education. Each student has their own login information for this system and will complete several career exploration activities including interest surveys, skill assessments, evaluation of job trends, resume building, and a course planner to help them map out their high school coursework. Visit www.missouriconnections.org for more information.

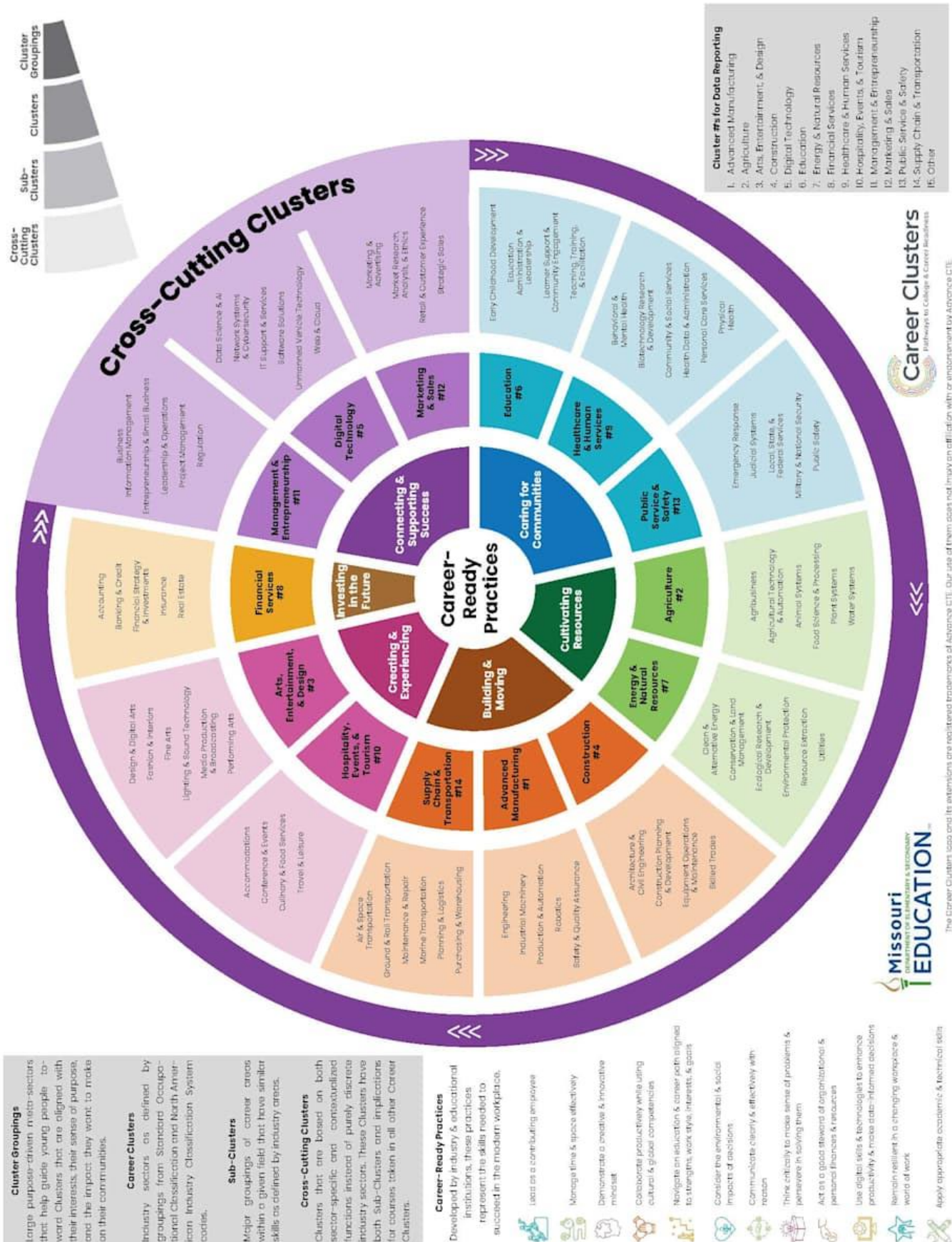
Career Paths: There are six (6) different career groupings that help guide students toward Clusters that are aligned with their interests, their sense of purpose, and the impact they want to make on their communities. All these groupings include a variety of occupations that require different levels of education and training. Selecting a career path provides the student with an area of focus, along with flexibility and a variety of ideas to pursue. The focus of career paths is on helping students choose a path, not a specific occupation. This process is not a lifelong commitment; it is a place to begin focusing one's energies. As students take different courses and learn more about themselves and careers, they may change their career path. If different paths become more interesting, the students can reevaluate plans, make appropriate decisions, and revise their Individual Career and Academic Plan (ICAP).

Career Clusters: Missouri expands the career paths into 14 Career Clusters. It is recommended that students select a Career Cluster of interest before or during high school to shape their plans for coursework. The Career Clusters framework recommends rigorous academic coursework for all students. This selection is about deeper exploration, not locking in a life-long career plan. These clusters are based on industry sectors as defined by groupings from Standard Occupational Classification and North American Industry Classification System codes.

Programs of Study: Programs of Study are designed to help students choose coursework and activities based on their selected Career Cluster. Each Program of Study includes course recommendations, opportunities at area career centers, assessment information, relevant activity and organization involvement, post-secondary options, and potential careers specific to each of the 14 Career Clusters. The Programs of Study can be found in the Companion Guide to this document.

Individual Career and Academic Plan (ICAP): The ICAP is a plan of study to guide students through the coursework and activities for achieving personal career goals, post-secondary planning and providing individual pathway options. An ICAP is a multi-year process, beginning no later than the eighth grade, that intentionally guides students and families in the exploration of career, academic and multiple post-secondary opportunities to include *direct access to the workforce *military *tech school/area career center *vocational training (apprenticeship), *2 year college and *4 year college. An ICAP is a "roadmap" to help students develop the awareness, knowledge, attitudes, and skills to create their own meaningful pathways to be success ready graduates.

Missouri's Career Cluster Poster



Career Path/Cluster Purpose Driven Sector*

*Image from Hillsboro School District

Caring for Communities

Education

Early Childhood Development
Education Administration & Leadership
Learner Support & Community Engagement
Teaching, Training, & Facilitation

Healthcare & Human Services

Behavioral & Mental Health
Biotechnology Research & Development
Community & Social Services
Health Data & Administration
Personal Care Services
Physical Health

Public Service & Safety

Emergency Response
Judicial Systems
Local, State, & Federal Services
Military & National Security
Public Safety

Building & Moving

Advanced Manufacturing

Engineering
Industrial Machinery
Production & Automation
Robotics
Safety & Quality Assurance

Construction

Architecture & Civil Engineering
Construction Planning & Development
Equipment Operation & Maintenance
Skilled Trades

Supply Chain & Transportation

Air & Space Transportation
Ground & Rail Transportation
Maintenance & Repair
Marine Transportation
Planning & Logistics
Purchasing & Warehousing

Connecting & Supporting Success**

Digital Technology**

Data Science & AI
IT Support & Services
Network Systems & Cybersecurity
Software Solutions
Unmanned Vehicle Technology
Web & Cloud

Management & Entrepreneurship**

Business Information Management
Entrepreneurship & Small Business
Leadership & Operations
Project Management
Regulation

Marketing & Sales**

Market Research, Analytics, & Ethics
Marketing & Advertising
Retail & Customer Experience
Strategic Sales

Creating & Experiencing

Arts, Entertainment, & Design

Design & Digital Arts
Fashion & Interiors
Fine Arts
Lighting & Sound Technology
Media Production & Broadcasting
Performing Arts

Hospitality, Events, & Tourism

Accommodations
Conferences & Events
Culinary & Food Services
Travel & Leisure

Cultivating Resources

Agriculture

Agribusiness
Agricultural Technology & Automation
Animal Systems
Food Science & Processing
Plant Systems
Water Systems

Energy & Natural Resources

Clean & Alternative Energy
Conservation & Land Management
Ecological Research & Development
Environmental Protection
Resource Extraction
Utilities

Investing in the Future

Financial Services

Accounting
Banking & Credit
Financial Strategy & Investments
Insurance
Real Estate

**Cross-Cutting Clusters

Denote careers that overlap in **all** industries, highlighting the versatile and interconnected nature of today's workforce. These careers can stand on their own or be contextualized in each Cluster and emphasize the need for adaptability in navigating the modern economy.

Notes:

Clusters are listed in alphabetical order. Clusters and Sub-Clusters represent the entire world of work (see definitions).

Schedule Change Policy

Students are encouraged to give careful consideration and make course selections based on academic and career preferences. Their course requests are used to determine the master schedule so it is important to have the most accurate information. Schedule changes may be requested within the first two (2) days of the semester. Course change requests based on teacher or peer preference are not allowed. Avoiding class overloads and maintaining class balances are of primary importance once the master schedule has been established. The schedule change policy above will be strictly enforced.

A student's schedule will be changed for the following reasons:

1. **COMPUTER ERROR** - If the course number has been incorrectly placed in the computer, the enrollment worksheet will serve as a reference for substituting the correct course.
2. **PREREQUISITE COURSES NOT MET** - Many courses require a prerequisite. If a student has not met the prerequisite, a new course will be substituted.
3. **DUPLICATE CREDIT** - A student may not receive credit for a course twice. A course change will be made if the student has registered for a course for which they already have credit. See course description for exceptions.
4. **INCREASE RIGOR IN SCHEDULE** - A student requesting a change to a more rigorous core area course will be readily accepted provided space is available.

Additionally, students may not drop or transfer out of year-long courses without administrative approval.

Repeated Courses

If students earn a D or an F in a course, they may repeat those courses. The grade earned in the second attempt will be transcribed and included in the student's GPA. The grade earned from the first attempt will be replaced with an R on the transcript, indicating the course was retaken. If the grade earned in the second attempt is the same or lower than the first attempt, the grade earned from the first attempt will be preserved. The grade earned from the second attempt will be replaced with an NC, indicating no credit was earned. The grade earned on the second attempt will be excluded from the student's GPA.

Prerequisites

Certain courses have prerequisites that must be fulfilled for a student to enroll properly. The prerequisite courses offer skills that must be mastered to be successful in subsequent courses. A prerequisite is considered met when a student has achieved a grade of "D" or better in the prerequisite course, however students who have earned a "D" in a prerequisite course will likely experience great difficulty in successfully completing the subsequent course work.

Students should carefully consider course selections for the next school year. Student course requests provide input for creating the master schedule and determining teacher assignments.

Summer School

The Holden School District offers high school summer school each summer. Courses will be offered pending sufficient enrollment and funding in summer school for 2026 and 2027.

Online health is offered to incoming 9th graders through a virtual program, Edmentum. Students will receive a grade based on Holden's Traditional Grading scale. This course will be awarded high school credit, and the grade will be used in calculation of the high school GPA. Students must attend the first day of the summer school session to receive the required CPR training from a certified educator.

Students may take up to two dual credit courses during the summer months, given that they have not exceeded the maximum number of first-time credit earned in a school year, which is 9 credits.

Students may be required to attend summer school for credit recovery opportunities to keep the student on track to graduate.

Credits Earned

Students must attend a minimum of seven (7) semesters to graduate from Holden High School. Students have the opportunity to earn eight (8) credits each school year. The following restrictions apply to credits earned each academic year:

- Students may earn 1 additional first-time credit each academic year (Summer session, Fall semester, Spring semester)
- Students may earn 2 credit recovery credits (4 semester classes) each academic year

Students must be in attendance for a minimum of 90% of the scheduled attendance days per course in a semester and earn a passing grade to receive credit for the course. Students who fall below the 90% threshold may be required to attend after school tutoring for credit to be awarded.

Weighting System

High school courses are weighted to reflect the level of academic rigor. More rigorous courses, such as dual credit, carry an additional weight to recognize the increased expectations and challenge. This weighting system is used when calculating a student's weighted grade point average (GPA). The weighted GPA is then used to determine class rank. Weighted courses have a 0.333 quality point added to each semester grade.

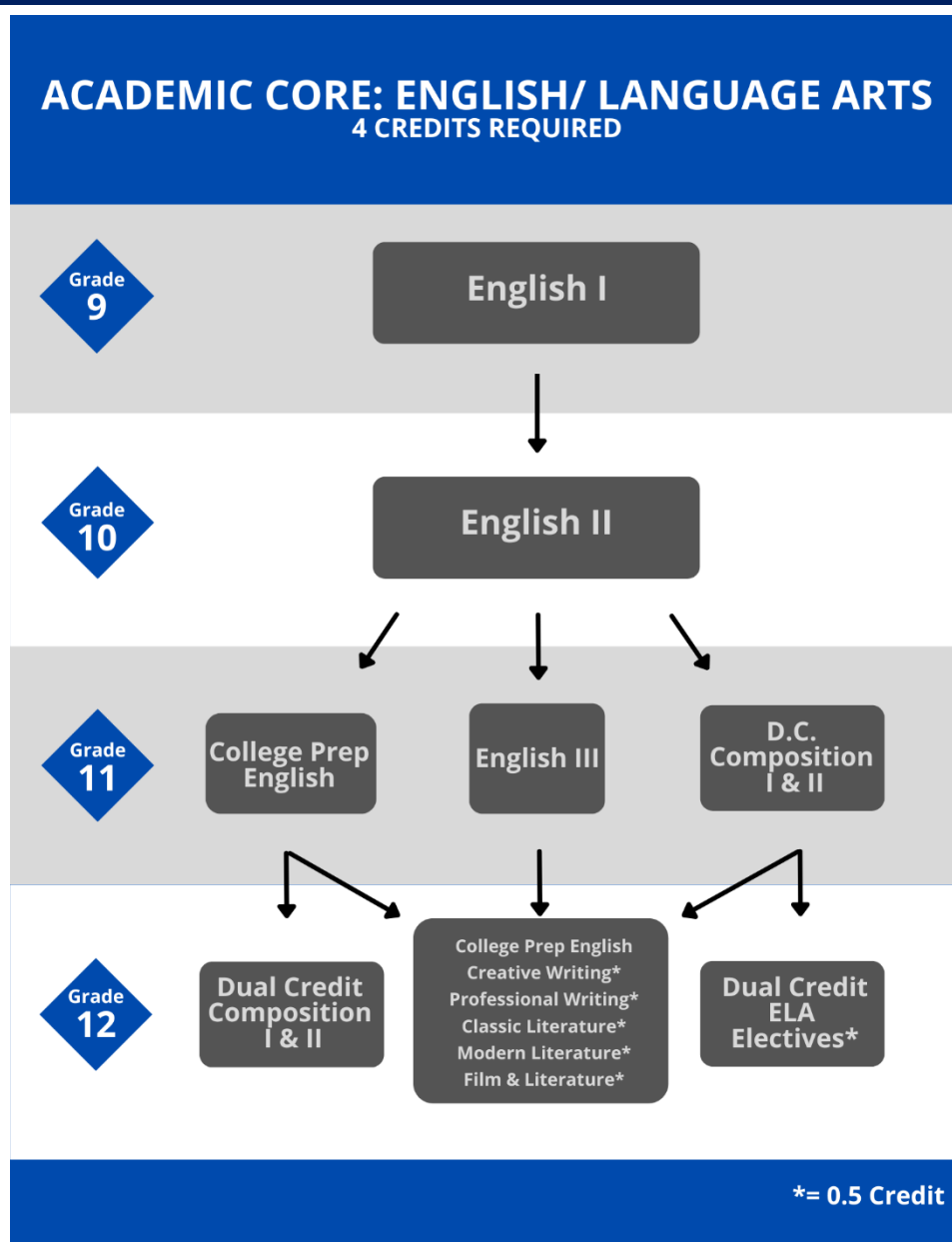
HIGH SCHOOL COURSE OFFERINGS

The course descriptions that follow represent a summary of each class offered at the high school level. The descriptions do not list all topics and/or activities associated with each class.



- English Language Arts
- Fine Arts
 - Art
 - Music
- Foreign Language
- Mathematics
- Practical Arts
 - Agriculture
 - Business
 - Family & Consumer Science
- Science
- Social Studies
- Electives
- Warrensburg Area Career Center (WACC)
- Summit Technology Academy (STA)

High School English Language Arts Courses



The English Language Arts Department offers courses in reading, writing, speaking, and listening. Enrichment opportunities are available for students, such as dual credit courses offered through the University of Central Missouri.

Students are required to earn FOUR credits in Language Arts for high school graduation. If a student fails a required course, the course must be retaken and passed to move on to the next course.

Ninth Grade:

English I

Tenth Grade:

English II

Eleventh Grade:

English III

DC Composition I/DC Composition II

College Prep English

Twelfth Grade:

DC Composition I/DC Composition II

DC Language Arts Electives

Creative Writing

Professional Writing

Classic Literature

Modern Literature

Film & Literature

High School English Language Arts Courses (continued)

ENGLISH I – 1 CR (H1005)

Graduation Requirement

Grade(s): 9

Prerequisite(s): None

Course Description: This course is designed to introduce students to skills in the areas of standard grammar and usage; composition; public speaking; reading and interpreting literature, and understanding technical communications. Real life situations and applications will be emphasized. Students will complete projects on class novels and MLA formatted research.

ENGLISH II – 1 CR (H1010)

Graduation Requirement

End-of-Course Assessment

Grade(s): 10

Prerequisite(s): English I

Course Description: This course builds on the foundations of English I. Students will continue to develop their skills in the areas of standard grammar and usage; composition; public speaking; reading and interpreting literature; using and understanding technical communications. Both creative and formal writing skills will be emphasized. Students will complete novel projects and essays based on novels and an MLA formatted research 22 projects.

ENGLISH III – 1 CR (H1015)

Grade(s): 11

Prerequisite(s): English I, English II

Course Description: This course is designed to build on skills already acquired in Language Arts II. Students will enhance their writing style through essays and real-world writing opportunities. Grammar, usage, and mechanics will be emphasized. Students will read and interpret informational and fictional literature and complete multiple independent projects.

COLLEGE PREP ENGLISH – 1 CR (H1020)

Grade(s): 11, 12

Prerequisite(s): English I, English II

Course Description: This course is designed to give the college-bound student an intensive review of the grammar, usage, and mechanic skills necessary to be a sophisticated writer. Several types of college writing will be studied, including but not limited to technical writing, process analysis writing, persuasive writing, research writing, and summary and abstract writing. This course will also contain a study of representative works of British Literature from the Anglo-Saxon Period to the Victorian Age. Some independent study is required. A portion of the class will focus on the historical influences of each period. Emphasis will be placed on literary analysis, class discussion, and essays. Additionally, this course will also involve a research paper and presentation skills.

CREATIVE WRITING – 0.5 CR (H1076)

Offered in the Fall

Grade(s): 11, 12

Prerequisite(s): None

Course Description: This course will focus on expressive writing in different forms. Students will have the opportunity to explore different types of poetry and prose styles, as well as responding to literature, art mediums, 23 quotes, and music. Originality and writing that shows thought will be emphasized. Strategies to avoid writer's block and new ways to uncover ideas for writing will be studied. Peer reviews and sharing ideas are essential elements to this course.

PROFESSIONAL WRITING – 0.5 CR (H1093)

Offered in the Spring

Grade(s): 11, 12

Prerequisite(s): None

Course Description: This course introduces students to several forms of professional writing, such as review and profile writing, public relations and marketing writing, and writing for the Web. Students will compose, revise, and edit their own texts and also read and study "real world" examples of professional writing.

FILM & LITERATURE – 0.5 CR (H1090)

Grade(s): 11, 12

Prerequisite(s): None

Course Description: Students will read about the history of film, influence of film on culture, and issues of interpretation, production, and adaptation. Students will examine the visual interpretation of literary techniques and the limitations or special capacities of film versus text to present a literary work. Students will examine how films portray the human condition, the roles of men and women, and the various ethnic and cultural minorities in the past and present. Different genres of film will be explored.

CLASSIC LITERATURE – 0.5 CR (H1091)

Offered in the Spring

Grade(s): 11, 12

Prerequisite(s): None

Course Description: Students will complete in-depth studies of major novels; and when available, compare these written works to film versions. Students will develop their skills in the areas of reading and interpreting literature through classroom discussion and written projects. The elements of literature will be analyzed for each novel.

MODERN LITERATURE – 0.5 CR (H1092)

Offered in the Fall

Grade(s): 11, 12

Prerequisite(s): None

Course Description: Students will complete in-depth studies of major novels; and when available, compare these written works to film versions. Students will develop their skills in the areas of reading and interpreting literature through classroom discussion and written projects. The elements of literature will be analyzed for each novel.

High School Fine Arts Courses - Art

ART AND DESIGN – 1 CR (H7034)

Grade(s): 9, 10, 11, 12

Course Fee: \$20

Prerequisite(s): None

Course Description: This is a foundation program that includes, but not limited to; drawing, sculpture, contemporary design, painting, and art history. Materials are supplied for the projects, which the student will be allowed to utilize inside the classroom. Student fees go towards supplies specific for this course. Skill level and quality of completed artwork will be stressed throughout the year. Every project has certain guidelines that must be followed to receive full credit.

PAINTING – 0.5 CR or 1 CR (H7046)

Grade(s): 9, 10, 11, 12

Course Fee: \$25

Prerequisite(s): None

Course Description: Painting is a one or two semester course designed to acquaint the student with basic composition principles through theory and practice of painting from still life, nature, portraiture, figure and imagination. It is a foundation program with emphasis on realism and various approaches to the paint medium. The course stresses personal experimentation in a variety of paint media and blending and shading with paint with an emphasis on drawing skills. Every project has certain guidelines that must be followed to receive full credit.

DRAWING – 1 CR (H7060)

Grade(s): 9, 10, 11, 12

Course Fee: \$15

Prerequisite(s): None

Course Description: Drawing is a full year course designed to acquaint the student with basic composition principles through the practice of drawing from objects, still life, nature, and the imagination. This course stresses experimentation in a variety of black and white drawing mediums and shading techniques. The addition of color may be included in some of the projects. Every project has certain guidelines that must be followed to receive full credit.

CERAMICS – 1 CR (H7050)

Grade(s): 10, 11, 12

Course Fee: \$35

Prerequisite(s): None

Course Description: Ceramics is a full year course with emphasis on the creative aspects of using hand-built methods with moist clay. Step by step procedures in the processes of coiling, molding, slab work, tiles, as well as an introduction to some basic finishing techniques. Every project has certain guidelines that must be followed to receive full credit.

ADVANCED ART – 1 CR (H7041)

Grade(s): 10, 11, 12

Course Fee: \$25

Prerequisite(s): B or better from any art class & Instructor approval

Course Description: This is a full year course in which students will experiment with subject choices, materials, and media. Advanced Art encompasses Advanced Drawing, Advanced painting, and Advanced Ceramics. And Sculpture. Students will design and complete complex projects in paint, found objects, clay, and drawing in various mediums. The projects will incorporate designs ranging from realism to abstraction and may include figure/portraits, nature, and imagination. Students must be able to work independently and follow directions/procedures. Skill level and quality of completed work will be stressed throughout the year. Every project has certain guidelines that must be followed to receive full credit.

PORTFOLIO – 1 CR (H7070)

Grade(s): 11, 12

Course Fee: \$25

Prerequisite(s): Art & Design, Drawing, Painting, & Ceramics; Instructor approval

Course Description: The Portfolio course is designed for students who are seriously interested in the practical experience of art and wish to develop mastery in the concept, composition, and execution of their ideas. In building the portfolio, students experience a variety of concepts, techniques and approaches designed to help them demonstrate their abilities as well as their versatility with techniques, problem-solving, and ideation. Portfolio is not based on a written exam; instead, students will develop a body of work that culminates in a portfolio, that will be on display at the end of the school year in an Art Show. Students will experiment with mediums never used before. Students will demonstrate knowledge of specific mediums while demonstrating an expertise for craftsmanship. Students will be able to describe the elements and principles used in the art-making process.

The portfolio is divided into two segments to encourage both mastery and artistic growth. Students will complete a body of work consisting of seven (7) finished pieces of art.

Segment 1: Area of strength-- Students will create **four (4) pieces** using a medium or media in which they demonstrate strength and confidence.

Segment 2: Experimentation-- Students will create **three (3) pieces** that emphasize experimentation and artistic risk-taking. These works must be completed using **mediums the student has not previously used or has limited experience with.**



High School Fine Arts Courses - Music

INSTRUMENTAL MUSIC PERFORMANCE COURSE DESCRIPTIONS:

HIGH SCHOOL BAND – 1 CR (H7002)

Grade(s): 9, 10, 11, 12

Prerequisite(s): Membership by audition. Previous experience and/or permission of the director is required.

Course Description: Marching Band is the fall activity of the high school band program. Members will practice marching techniques and music to be used in performances at home football games, parades, and contests around the state.

Attendance at all performances is required. Members will be expected to attend rehearsals outside of regular class time. Performance and rehearsal attendance will be a required part of each member's grade for the class. Concert Band begins in November following the completion of the Marching Season. Members will study music of different composers, music theory, music history, and performance techniques. The group will have several performances at home and participate in district and state festivals. Attendance at all performances is a part of each member's grade. Each member will be given the opportunity to audition for District Honor Band, Conference Band, and to take a solo or ensemble to district and state music festivals.

JAZZ BAND – 0.5 CR (H7999)

Only offered in the Spring

Grade(s): 9, 10, 11, 12

Prerequisite(s): Prior music experience with director approval OR current enrollment in band.

Course Description: Members of the jazz band will study music, music theory, and history appropriate to the "Big Band" style, and Jazz and Contemporary music as available, for the instrumentation of this group. The class will also study the fundamentals of improvisation on their instrument and be given the opportunity to show what they have learned in performance situations. Members will have several opportunities to perform each semester at home and at music festivals in the state. Attendance at all performances is a required part of the grade for the class. Instruments used in the class are saxophones, trumpets, trombones, electric bass, electric guitar, piano, and percussion. Some of these instruments are available through the school; others may be rented from music dealers in the area. Concert Band students are encouraged to learn to play one of these instruments to participate in Jazz Band.

DRUMLINE – 0.5 CR (H7888)

Offered only in the Fall

Grade(s): 9, 10, 11, 12

Prerequisite(s): Prior music experience with director approval OR current enrollment in band.

Course Description: This course is designed for students who intend to be in the indoor drumline. This group performs at several marching band competitions in the fall; these events are required as part of students' grades. In addition, a high level of commitment, dedication, and passion is expected in this course. Rehearsals outside of class time may be called and required as needed to bring the group to a competition-ready level.

COLOR GUARD – 0.5 CR (H7001)

Offered only in the Fall

Grade(s): 9, 10, 11, 12

Prerequisite(s): Prior music experience with director approval OR current enrollment in band.

Course Description: This group performs at several marching band competitions in the fall; these events are required as part of students' grades. In addition, a high level of commitment, dedication, and passion is expected in this course. Rehearsals outside of class time may be called and required as needed to bring the group to a competition-ready level.



High School Fine Arts Courses - Music (continued)

VOCAL MUSIC PERFORMANCE COURSE DESCRIPTIONS:

CONCERT CHOIR – 1 CR (H7010)

Grade(s): 9, 10, 11, 12

Prerequisite(s): Audition or Director approval

Course Description: Audition-based intermediate level performance class open to students who have completed entrance audition or have director approval. Emphasis will be placed on developing more advanced musicianship and professionalism. A wide variety of advanced vocal and choral techniques will be explored in-depth. Culminating performances are a meaningful and mandatory component of this class. Participation in two concerts per semester plus other special programs is required. This course is offered to students with soprano, alto, tenor and bass voicings.

TREBLE CHOIR – 1 CR (H9861)

Grade(s): 9, 10, 11, 12

Prerequisite(s): None

Course Description: The High School Treble Choir: This is a non-audition ensemble, intended as an introductory choral class for treble voices. Students will learn rhythm, tone, pitch, and musicality. A wide variety of SSA literature will be explored, as well as developing healthful and tuneful singing. Culminating performances are a meaningful and mandatory component of this class. Participation in two concerts per semester plus other special programs is required. This course is offered to students with soprano and alto voicings.

CHAMBER CHOIR – 1 CR (H7012)

Grade(s): 9, 10, 11, 12

Prerequisite(s): Audition

Course Description: Year-long audition-based intermediate to advanced level performance class open to students who have completed entrance audition. Emphasis will be placed on developing more advanced musicianship and professionalism. A wide variety of advanced SSA vocal and choral techniques will be explored in-depth. Culminating performances are a meaningful and mandatory component of this class. Participation in four concerts plus other special programs is required. Currently this course is offered to treble clef voicings only.



High School Foreign Language Courses

While Holden High School does not require a foreign language credit to graduate, any student planning to attend any University of Missouri school is required to earn 2 credits of foreign language credit for admittance.

SPANISH I – 1 CR (H5020)

Grade(s): 9, 10, 11, 12

Prerequisite(s): None

Course Description: Through thematic units, students will expand skills in speaking, listening, reading, writing and cultural awareness. They will develop a functional command of words and phrases dealing with immediate needs and common everyday situations of simple questions and statements about family, residence, self, weather, time and interests. They will be able to recognize and properly use past/present tense grammar structures. The content expansion includes the use of familiar words and phrases applicable with normal commands, frequent instructions, and courtesy interchanges.

SPANISH II – 1 CR (H5025)

Grade(s): 10, 11, 12

Prerequisite(s): Spanish I

Course Description: This course is a continuation of Spanish I, emphasizing the ability to narrate events in the past. Students will increase and improve their reading, writing, listening, and speaking skills in Spanish. Students will continue to acquire an understanding of Hispanic culture and customs.

High School Foreign Language Courses (continued)

SPANISH III – 1 CR (H5030)

Grade(s): 11, 12

Prerequisite(s): Spanish II

Course Description: This is a continuation of Spanish II, this course surveys all basic tenses and grammatical structures necessary for understanding of the Spanish language; students will continue to build vocabulary. Upon completion of the course, students will not only be able to communicate basic ideas and elaborate on them but should also be able to communicate adequately if traveling in a Spanish speaking country.



High School Health and Physical Education Courses

The Physical Education and Health department is an integral part of the school district's total curriculum. It is the goal of this department to meet the physical, mental, and social developmental needs of the high school students. It is the objective of this program to provide the opportunity for each student to develop a lifestyle that includes regular and vigorous physical activity, good nutrition, healthy body weight, flexibility, and proper muscle strength. The students should also develop methods of handling stress and have a large repertoire of sports and other lifetime activities for worthy use of leisure time.

Students may only take one PE course per semester, excluding 11th & 12th grade, where they may take two.

HEALTH – 0.5 CR (H6050)

Graduation Requirement

Grade(s): 9

Prerequisite(s): None

Course Description: This health course is designed to meet the needs of the high school student in the areas of mental, emotional and physical well-being and safety. This course includes an emphasis on healthy lifestyles and prevention of substance abuse, at-risk sexual behavior, STDs, AIDS, communicable diseases and pregnancy. Other topics include: decision-making, relationships, bullying, injury prevention, body systems, nutrition, fitness and wellness. Students will receive their CPR training (graduation requirement) within this course.

FRESHMAN PE – 0.5 or 1 CR (H8008)

Grade(s): 9

Prerequisite(s): None

Course Description: This freshman only course will have the opportunity to learn and develop responsibility, leadership, cooperation, competitiveness, sportsmanship, and proper hygiene and hopefully instill an appreciation for and a desire to exercise and have fun. Activities include: physical fitness testing, basketball, volleyball, softball, soccer, team handball, floor hockey, and flag football. Students must dress appropriately, participate in a positive manner, and complete written and skills tests.

LIFETIME SPORTS – 0.5 or 1 CR (H8027)

Grade(s): 9, 10, 11, 12

Prerequisite(s): None

Course Description: Through co-ed team sports students will have the opportunity to learn and develop responsibility, leadership, cooperation, competitiveness, sportsmanship, and proper hygiene and instill an appreciation for and a desire to exercise and have fun. Activities include: physical fitness testing, basketball, volleyball, softball, soccer, team handball, floor hockey, and flag football. Students must dress appropriately, participate in a positive manner, and complete written and skills tests.

ADVANCED FITNESS – 0.5 or 1 CR (H8020)

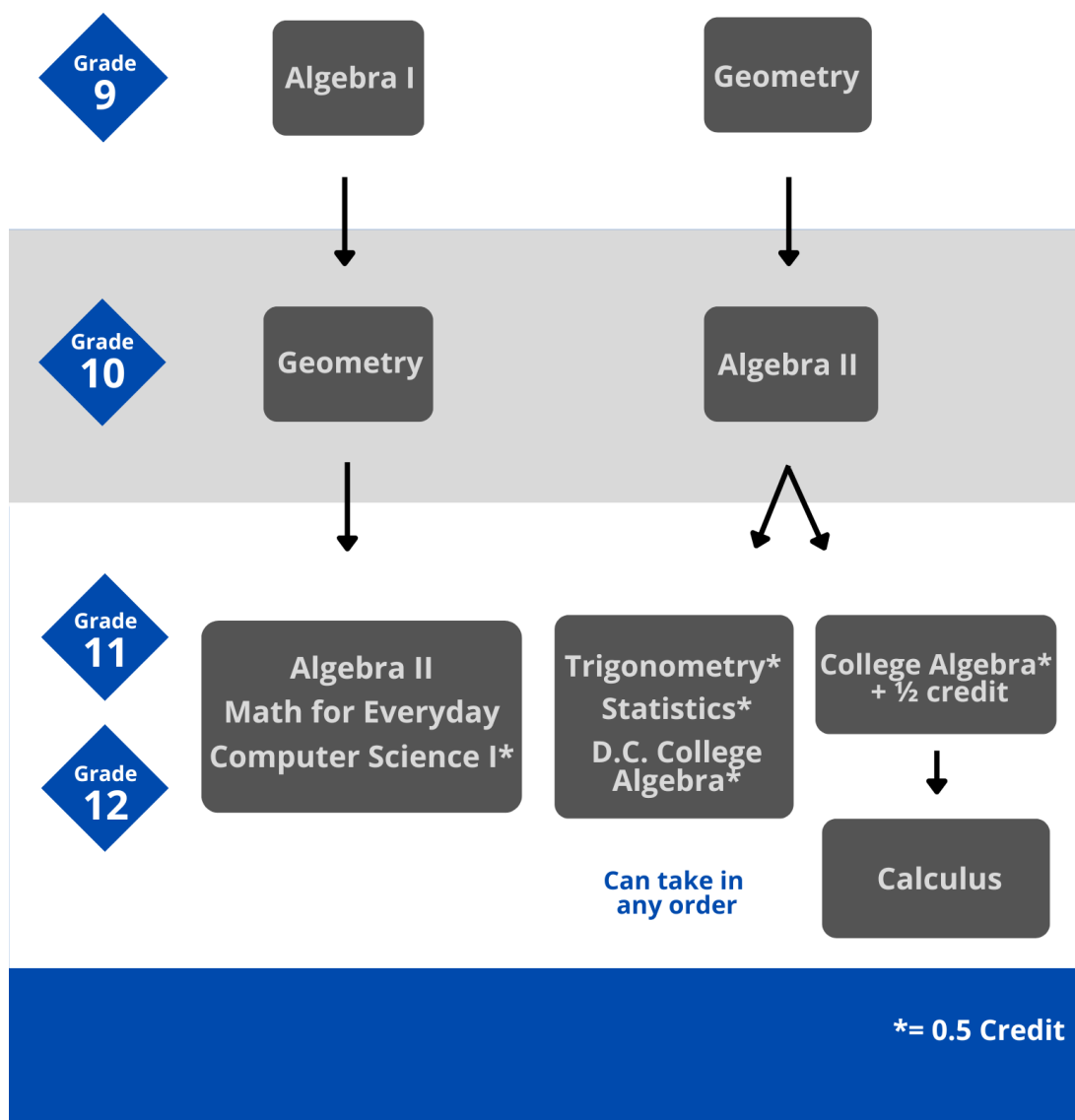
Grade(s): 9, 10, 11, 12

Prerequisite(s): None

Course Description: This co-ed course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardio-respiratory endurance activities. Students will learn the basic fundamentals of weight training, strength training, aerobic training, CrossFit training, and overall fitness training and conditioning. Course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

High School Mathematics Courses

ACADEMIC CORE: MATHEMATICS 3 CREDITS REQUIRED



The Math Department offers a variety of challenging and interesting courses. Feel free to seek advice on your course selections prior to enrollment. As there are courses with a variety of prerequisites, conferring with your math instructor and counselor is advised.

CALCULATORS: Upper-level Math and Science courses require a scientific calculator. The recommended calculators for these classes are Texas Instruments with a model number less than 89. Such calculators can be used on the ACT exams. Students can visit actstudent.org for more information regarding acceptable calculators for use on the ACT exams.

High School Mathematics Courses (continued)

ALGEBRA I – 1 CR (H3010)

Graduation Requirement

End-of-Course Assessment

Grade(s): 9

Prerequisite(s): None

Course Description: A math course designed to give students a basic understanding of algebraic concepts and to contribute to the acquisition of algebraic skills. This course will deal with real number systems, solving equations, polynomials, functions, and word problems.

GEOMETRY – 1 CR (H3020)

Grade(s): 9, 10

Prerequisite(s): Algebra I

Course Description: This course is to help a student better understand the nature of a mathematical system and to appreciate the basic structure of geometry. Also, to develop powers of spatial visualization and to recognize the way in which Algebra and Geometry complement each other.

ALGEBRA II – 1 CR (H3016)

End-of-Course Assessment-if Algebra I taken in 8th grade

Grade(s): 10, 11, 12

Prerequisite(s): Geometry

Course Description: a continuation of Algebra I, with key concepts from Geometry integrated throughout the course, students expand their knowledge of algebraic reasoning and function analysis. The course explores linear, absolute value, quadratic, polynomial, rational, radical, exponential, and logarithmic functions. Students study multiple representations of functions and use them to model and solve real-world problems. Additional topics include systems of linear equations and inequalities, matrices, and a continued emphasis on strengthening skills with powers, roots, and radicals. Through analytical thinking and application-based learning, students develop the problem-solving skills necessary for success in a variety of mathematical and real-world contexts.

MATH FOR EVERYDAY LIVING– 1 CR (H3060)

Grade(s): 11, 12

Prerequisite(s): None

Course Description: This course will emphasize math as used in everyday living. The course will focus on topics such as insurance, tax deductions, social security, income taxes, loans, wages, savings accounts, and planning a family budget.

STATISTICS I– 0.5 CR (H3055)

Offered only in the Spring

Grade(s): 11, 12

Prerequisite(s): Algebra II

Course Description: This course will cover descriptive statistics, categorical and quantitative data, and numerical distributions including standard deviation, normal models, and linear regression.

TRIGONOMETRY – 0.5 CR (H3025)

Offered only in the Fall

Weighted

Grade(s): 11, 12

Prerequisite(s): Algebra II

Course Description: This course will enable the student to apply algebraic and trigonometric concepts and skills. This will include solving right triangles, the unit circle, trigonometric graphs, law of sines and cosines, trigonometric identities.

COLLEGE ALGEBRA* – 0.5 CR (H9706)

Offered in the Fall and Spring

Weighted

Grade(s): 11, 12

Prerequisite(s): Algebra II (B or better each semester)

Course Description: Continuation of basic algebra including such topics as linear and quadratic equations, linear and quadratic inequalities, second degree relations and functions, systems of equations, and exponential and logarithmic functions. If you take College Algebra for high school credit only, you will be expected to meet the same standards as the requirements for college credit.

**Note: College credit opportunity is available and offered through the University of Central Missouri, taught in person by Holden High School staff.*

CALCULUS – 1 CR (H3050)

Weighted

Grade(s): 12

Prerequisite(s): College Algebra

Course Description: Students will study the calculus of functions of one independent variable. The four major concepts of calculus--limit, derivative, definite integral, and indefinite integral--will be studied using numeric, algebraic, graphic, and verbal approaches.

COMPUTER SCIENCE I—0.5 CR (H6010)

Math Credit with parent permission (Signed form required)

Grade(s): 9, 10, 11, 12

Prerequisite(s): None

Course Description: Computer Science I introduces students to foundational computer science concepts through theoretical learning and hands-on projects. Topics include digital information representation, internet protocols, app design principles, and programming fundamentals like variables, conditionals, and functions. Students explore binary and hexadecimal numbering, web technologies, and basic app development, while also delving into programming constructs such as loops and conditional statements. The course emphasizes problem-solving skills, logical thinking, and collaborative teamwork through group projects. Assessment is based on projects, homework, quizzes, exams, and participation, with no formal prerequisites required. Computer Science I provides a solid foundation for further study in the field and fosters skills applicable to various disciplines and future career paths.

AGRICULTURE PATHS

PATHWAYS ▶

Animal

Plant

Workforce/
Trade/ Military

Grade
9

Intro to Animals, Food,
& Nat Resources

Grade
10

Principles of
Ag Science:
Animal

Principles of
Ag Science:
Plant

Intro to Ag
Mechanics

Grade
11

Animal Health
& Vet Science*

Food Sci &
Safety

Any additional
Ag courses

Greenhouse
O & M*

Landscape &
Turf Mgmt*

Any additional
Ag courses

Ag
Construction

Ag Structures*

Ag Power*

Any additional
Ag courses

Grade
12

*= 0.5 Credit

High School Practical Arts Courses-Agriculture (continued)

The Agricultural department offers a hands-on, comprehensive pathway designed to connect students with the essential, fast-moving world of agriculture, food, and natural resources. Through a blend of classroom instruction, hands-on work, and FFA leadership development, students explore topics such as animal science, agricultural mechanics, and agribusiness.

◆ – Core Elective ▲ – Designated Science Credit

◆▲INTRO TO ANIMALS, FOOD, & NATURAL RESOURCES—1 CR (H6034)

Grade(s): 9, 10, 11, 12

Prerequisite(s): None

Course Description: This course introduces students to the range of agricultural opportunities and the pathways of study they may pursue. CASE incorporates science, mathematics, reading, and writing components into the context of agriculture. Students explore career and post-secondary opportunities in each area of the course. Students investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community.

◆▲PLANT SCIENCE—1 CR (H6093)

Grade(s): 10, 11, 12

Prerequisite(s): Intro to Animals, Food, & Nat Resources

Course Description: This course provides a foundation of plant science knowledge and skills. Students will experience various plant science concepts through exciting “hands-on” activities, projects, and problems. Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agronomic, forestry, and horticultural industries. Students will discover the value of plant production and its impact on the individual, the local, and the global economy. Students will work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists, face in their respective careers.

◆▲ANIMAL SCIENCE—1 CR (H6046)

Grade(s): 10, 11, 12

Prerequisite(s): Intro to Animals, Food, & Nat Resources

Course Description: This course exposes students to agriculture, animal science, and related career options. Throughout the course, students investigate consumer perceptions and preferences related to animals in local, regional, and global markets. Students gain knowledge and skills related to animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing through hands-on activities, projects, and problems. By mimicking work similar to that of animal science specialists, such as industry personnel, livestock producers, veterinarians, and zoologists, students learn to document work, solve problems, and communicate solutions to peers and members of the professional community.

◆▲ANIMAL HEALTH & VET SCIENCE—0.5 CR (H6094)

Offered in the Fall during Odd years

Grade(s): 11, 12

Prerequisite(s): Plant Science or Animal Science

Course Description: This course provides an in-depth examination of veterinary science, focusing on the interplay of factors affecting animal health. Through structured inquiry activities, projects, and problems, students address practical challenges, fostering critical thinking and an understanding of the intricate relationships between animal health and care.

◆▲AG BUSINESS FOUNDATIONS—0.5 CR (H6027)

Offered in the Spring during Odd years

Grade(s): 11, 12

Prerequisite(s): Plant Science or Animal Science

Course Description: This course introduces students to business management in agriculture. Mathematics, reading, and writing components are woven in the context of agriculture. This course includes starting a business, financial documents, risk management, and writing a business plan. Additionally, students investigate and develop viable business plans to solve local problems.

◆▲FOOD SCIENCE & SAFETY—1 CR (H6096)

Future course offered during Even years

Grade(s): 11, 12

Prerequisite(s): Plant Science or Animal Science

Course Description: Students will complete hands-on activities, projects, and problems that simulate actual concepts and situations found in the food science and safety industry, allowing students to build content knowledge and technical skills. Students will investigate areas of food science including food safety, food chemistry, food processing, food product development, and marketing.

◆▲AG RESEARCH & DEVELOPMENT (Independent Study)—1 CR (H6097)

Future course offered beginning in 2027-2028

Grade(s): 11, 12

Prerequisite(s) Plant Science or Animal Science; Instructor approval

Course Description: This capstone course is designed to culminate students' experiences in agriculture, based on the pathway of study they pursued. Students will further enhance research, critical thinking, and teamwork skills as they expand on content knowledge from previous courses. Students will work to solve complex, real-world problems through a focused research project. This process will include conducting research, data analysis and communication, and the development of new products.

High School Practical Arts Courses-Agriculture (continued)

INTRODUCTION TO MECHANICS– 1 CR (H6032)

Grade(s): 10, 11, 12

Prerequisite(s): Intro to Animals, Food, & Nat Resources

Course Description: This course is designed to cover a variety of topics such as Arc welding, MIG welding, oxy-acetylene, plasma cutting, and wood working techniques. Students will learn how to use basic shop equipment such as welders, hand tools, and power tools. A continued Supervised Agricultural Experience and Record Bookkeeping is required in this course.

AG CONSTRUCTION– 1 CR (H6042)

Grade(s): 11, 12

Prerequisite(s): Intro to Mechanics

Course Description: This course utilizes welding in the development and construction of major metal and wood projects. A continued Supervised Agricultural Experience and Record Bookkeeping is required in this course.

AG STRUCTURES– 0.5 CR (H6047)

Offered in the Fall during Odd years

Grade(s): 11, 12

Prerequisite(s): Intro to Mechanics

Course Description: This course includes electrical wiring, electrical motors, concrete masonry, plumbing an sewage disposal, farm fences, product handling and processing equipment, and farm buildings. A continued Supervised Agricultural Experience and Record Bookkeeping is required in this course.



GREENHOUSE OPERATIONS & MANAGEMENT– 0.5 CR (H6039)

Offered in this Spring during Odd years

Grade(s): 11, 12

Prerequisite(s): Intro to Mechanics

Course Description: This course develops a basic understanding of greenhouse techniques. The production of greenhouse crops will be used to demonstrate procedures such as plants started from cuttings, seeds, grafts, and layering. Students will manage their own crops as a greenhouse project. A continued Supervised Agricultural Experience and Record Bookkeeping is required in this course.

AG POWER– 0.5 CR (H6041)

Future course offered in the Fall during Even years

Grade(s): 11, 12

Prerequisite(s): Intro to Mechanics

Course Description: This course develops skills in maintenance, repair, adjustment, and overhaul of small engines. Included is a study of the basic principles of power transmissions, hydraulic systems, and larger engines. Safety practices and maintenance will receive major emphasis. A continued Supervised Agricultural Experience and Record Bookkeeping is required in this course.

▲ LANDSCAPE & TURF MANAGEMENT– 0.5 CR (H6049)

Future course offered in the Spring during Even years

Grade(s): 11, 12

Prerequisite(s): Intro to Mechanics

Course Description: This course is designed to introduce students to the principles and practices of landscape design, installation, and maintenance, as well as turfgrass establishment and care. Students will develop hands-on skills in plant identification, soil preparation, turfgrass selection, mowing techniques, irrigation systems, fertilization, and pest management. Instruction also includes landscape design principles, safe operation and maintenance of tools and equipment, and environmental stewardship practices. A continued Supervised Agricultural Experience and Record Bookkeeping is required in this course.



High School Practical Arts Courses- Business

The Business department prepares students to become the next generation of leaders and entrepreneurs. Students will explore essential topics such as business operations, ethical decision-making, and computer science and information technology training.

◆ – Core Elective

INTRODUCTION TO BUSINESS – 0.5 CR (H6006)

Grade(s): 9, 10, 11, 12

Prerequisite(s): None

Course Description: Step into the dynamic world of business with this captivating course designed to ignite curiosity and empower understanding of modern society's economic heartbeat. Delve into fundamental pillars like accounting, management, and marketing while exploring consumer issues in money management, banking systems, and the government's role. Gain insights into the relationship between technology and business innovation, preparing to thrive in a world of constant change. This course isn't just a stepping stone; it's the cornerstone of future business success.

◆ **COMPUTER SCIENCE I – 0.5 CR (H6010)**

Alternative credit option: Math (1/2)

Grade(s): 9, 10, 11, 12

Prerequisite(s): None

Course Description: Computer Science I introduces students to foundational computer science concepts through theoretical learning and hands-on projects. Topics include digital information representation, internet protocols, app design principles, and programming fundamentals like variables, conditionals, and functions. Students explore binary and hexadecimal numbering, web technologies, and basic app development, while also delving into programming constructs such as loops and conditional statements. The course emphasizes problem-solving skills, logical thinking, and collaborative teamwork through group projects. Assessment is based on projects, homework, quizzes, exams, and participation, with no formal prerequisites required. Computer Science I provides a solid foundation for further study in the field and fosters skills applicable to various disciplines and future career paths.

◆ **INTRODUCTION TO GRAPHIC DESIGN – 0.5 CR (H6008)**

Grade(s): 9, 10, 11, 12

Prerequisite(s): None

Course Description: This course equips students with essential skills in using industry-standard software for designing business publications. From flyers to brochures and newsletters, students will craft professional-grade materials. Students will learn design principles and typography techniques. Perfect for aspiring entrepreneurs or marketers, this course unlocks the power of visual storytelling.

ENTREPRENEURSHIP – 1 CR (H6015)

Grade(s): 11, 12

Prerequisite(s): Introduction to Business AND:

Marketing OR Business Communications OR Business Tech

Course Description: Embark on a dynamic journey into Entrepreneurship, where you'll explore small business operations and essential management skills. Dive deep into key areas such as marketing, management, business communication, accounting, and economics, as you lead a team for our student-run apparel store. Craft your small business plan, conduct research, and make projections to bring your ideas to life. Learn about the legal aspects of business, including licensing, permits, insurance, and tax obligations. Gain practical insights and hands-on experience to thrive in the competitive business landscape. This course offers a transformative experience, empowering you to become a future business leader. Enroll today and unlock your potential to innovate, grow, and succeed in the world of entrepreneurship.

MARKETING – 1 CR (H6009)

Grade(s): 10, 11, 12

Prerequisite(s): Intro to Business or Intro to Graphic Design

Course Description: Students explore how businesses attract and keep customers through branding, advertising, digital media, and market research. Emphasis is placed on creativity, communication, and strategy as students plan and promote real or simulated products. This course builds on Intro to Business concepts and provides a foundation for future study in marketing, management, or entrepreneurship.

BUSINESS LAW – 0.5 CR (H6007)

Offered only in the Spring

Grade(s): 10, 11, 12

Prerequisite(s): Introduction to Business

Course Description: In this class, we're diving into the nitty-gritty of how the law shapes our world. We'll discuss things like what it means to own property, how contracts work, what rights you have as an employee, and even what happens in landlord-tenant disputes. We'll also tackle topics like individual rights, wills and estates, family law, and even community property.



High School Practical Arts Courses- Business (continued)

◆BUSINESS TECHNOLOGY – 1 CR (H6016)

Grade(s): 10, 11, 12

Prerequisite(s): Intro to Business or Intro to Graphic Design

Course Description: In this yearlong course, students will develop advanced technical and digital communication skills that prepare them for success in college, careers, and entrepreneurship. Through hands-on projects, students will explore the professional applications of the Google Suite, Microsoft Office Suite, and Adobe Creative Suite. Students will learn to manage documents and data, design professional presentations, create marketing materials, and collaborate effectively in digital environments.

By the end of the course, students will be able to integrate these tools to solve real-world business challenges, produce polished and professional digital products, and showcase their work in an interactive portfolio. This class is ideal for students who want to refine their technical skills, strengthen their digital literacy, and gain a competitive edge in any career field.

EMERGING BUSINESS ISSUES –0.5 CR (H6081)

Offered only in the Fall

Grade(s): 12

Prerequisite(s): Introduction to Business AND one upper-level Business Course; Instructor approval required. Concurrently enrolled in Supervised Business Experience. Must have own transportation.

Course Description: We'll dive into the essentials you need to shine in any workplace. From mastering computer apps to understanding what makes administrative support pros tick, we've got you covered! You'll learn how to use tech to enhance your communication skills, ace office procedures, and create top-notch work with 36 advanced software features. Plus, we'll help you craft impressive portfolios and job documents to ace those interviews! We'll tackle those soft skills employers love, like handling people, rocking phone calls, staying organized, and tackling important tasks.

BUSINESS COMMUNICATION – 1 CR (H6013)

Future course offered in 2027-2028

Grade(s): 10, 11, 12

Prerequisite(s): Introduction to Business

Course Description: Dive into the exciting world of business and communication with a modern twist! This course is designed to fortify your foundational language skills while preparing you for the dynamic demands of today's digital workplaces. Throughout the semester, you'll sharpen your composition, grammar, spelling, and punctuation skills—all essential for effective written communication. We'll also guide you through the art of crafting compelling documents, from professional emails to polished reports, using the latest technology tools. But we won't stop at the written word! With a focus on oral communication, you'll learn how to leverage presentation software and telecommunications to deliver captivating speeches, give clear instructions, ace interviews, and create impactful reports.

SUPERVISED BUSINESS EXPERIENCE – 1-2 CR (H6085)

Grade(s): 12

Prerequisite(s): Application required

Course Description: This Pass/Fail option is available for 12th grade students to earn credits towards graduation while being employed. Students who work 10+ hours/week can have 1 class period of work release; students who work 20+ hours/week can have up to 2 class periods of work release; Students must submit an application with proof of employment to be approved. Monthly submission of paystubs is required to verify employment hours. If a student fails to submit pay stubs for the required number of hours, they will receive a failing grade.



High School Practical Arts Courses-Family & Consumer Science

The FACS department empowers students with essential, real-world skills through hands-on, engaging coursework. Designed to develop independence and prepare students for both personal success and future careers, our curriculum spans three areas: Culinary Arts & Nutrition, Fashion Design & Textiles, and Child Development & Human Services.

◆ – Core Elective

◆ CAREER AND FAMILY LEADERSHIP – 1 CR (H6o6o)

Grade(s): 9, 10, 11, 12

Prerequisite(s): None

Course Fee: \$40 (sewing projects/cooking labs)

Course Description: Instructional course with a semester long focus on career readiness, financial insight, and basic life skill application. Topics such as personal choices, relationship roles, nutrition and wellness, and creative projects are also focused upon. Employed teaching strategies include lecture, group discussion and collaboration, portfolio construction, and individual projects. Emphasis is placed on individual decision making practices and application of employability traits.

◆ FOODS I – 0.5 CR (H6o67)

Offered only in the Fall

Grade(s): 9, 10, 11, 12

Prerequisite(s): None

Course Fee: \$40 (Food labs)

Course Description: Foods I is a semester course that provides an opportunity for students to develop basic food preparation skills. Classroom and lab work experiences emphasize nutrition and consumer skills as students examine preparation principles and techniques of a variety of foods. Students are encouraged to register for Foods II as well. A lab fee will be assessed for this course.

◆ FOODS II – 0.5 CR (H6o68)

Offered only in the Spring

Grade(s): 9, 10, 11, 12

Prerequisite(s): Foods I

Course Fee: \$40 (Food labs)

Course Description: Foods II is a semester course designed to reinforce and further enhance skills developed in Foods I. Students will study advanced preparation techniques and culinary skills. An understanding of the chemical changes that take place during food preparation will be enhanced through classroom demonstrations and lab experiences. This course will also provide students with the opportunity to understand cultural aspects of personal family traditions related to food. A lab fee will be assessed for this course.

CREATIVE FOODS – 0.5 CR (H6o69)

Offered only in the Spring

Grade(s): 10, 11, 12

Prerequisite(s): Foods I, Foods II

Course Fee: \$60 (Food labs)

Course Description: An applied product-based course in which students will utilize previously acquired knowledge of food principles and preparation in the exploration of challenging new concepts. Emphasis in International and specialty cuisine is placed on discovering and implementation of worldwide food preparation and specialty items. This course will also prepare students for continued education or employment in the food service industry. A lab fee will be assessed for this course.

◆ CHILD DEVELOPMENT I – 1 CR (H6o55)

Offered only in the Fall

Grade(s): 10, 11, 12

Prerequisite(s): None

Course Description: This class introduces the topics of human development focused on prenatal through infant development and the responsibility of proper adult/child interaction. Class discussion, lecture, notes, research activities, and guest speakers lead to an enriched learning experience that helps students better understand children and themselves. This course includes the physical, social, emotional and intellectual development of a child from one to school age. Additional study explores health and safety, effective parent/teaching partnerships, common problems of childhood discipline, and the development and implementation of early childhood curriculum. Career opportunities in the area of child development and related fields will be introduced and explored through project-based assessments.

◆ CHILD DEVELOPMENT II – 1 CR (H6o57)

Offered only in the Spring

Grade(s): 10, 11, 12

Prerequisite(s): None

Course Description: This course focuses on the growth, development, and care of young children from birth through early childhood. Students will identify and analyze the physical, social, emotional, and cognitive stages of development and examine the roles and responsibilities of parents and caregivers. The course explores parenting practices that promote healthy development, factors that influence the decision to become a parent, and the responsibilities associated with caregiving. Students will evaluate childcare options, explore careers in early childhood education, and learn the components of quality early childhood programs. Emphasis is placed on planning safe and engaging learning environments and developing age-appropriate curriculum and activities for preschool-aged children. Students will also build career readiness skills such as time management, teamwork, active listening, and dependability.

High School Practical Arts Courses-Family & Consumer Science (cont'd)

HOUSING AND INTERIORS—0.5 CR (H6070)

Offered in the Fall during Odd years

Grade(s): 9, 10, 11, 12

Prerequisite(s): None

Course Description: This project-oriented course is designed to teach the aesthetics of architectural styles, analysis of housing selection, floor plans, home furnishing and furniture arrangement. The application of the elements and principles of design will be emphasized. Career opportunities in the housing and interior design fields will be introduced.

FASHION DESIGN & CONSTRUCTION—0.5 CR (H6064)

Offered only in the Fall during Even years

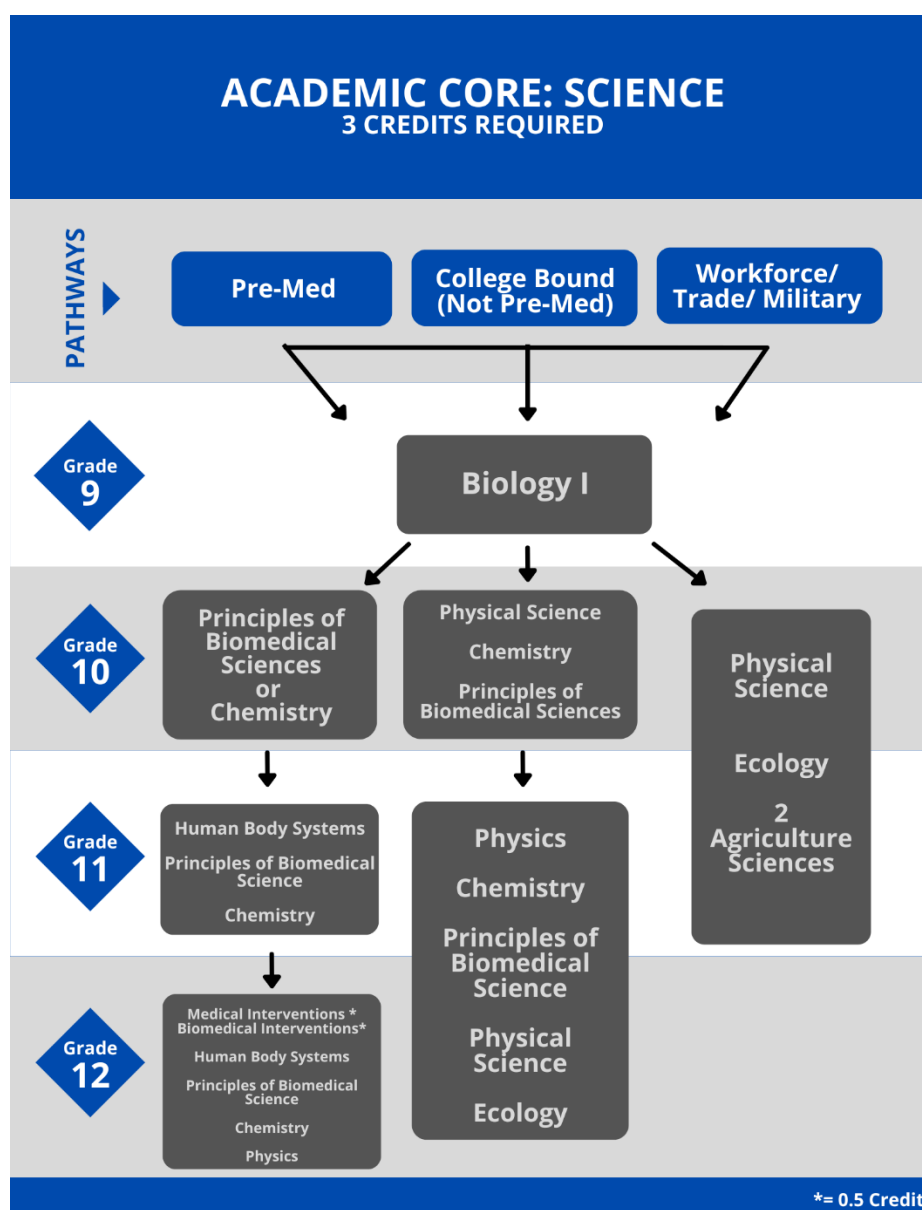
Grade(s): 9, 10, 11, 12

Course Fee: Specified supply list will be provided

Prerequisite(s): None

Course Description: Fashion and Design intends to allow students to explore the many different aspects of clothing including, historical influence, production and merchandising, clothing modification, color analysis and wardrobe planning. Students can expect to practice and apply basic to advanced sewing techniques.

High School Science Courses



See p. 27-28 for Agricultural courses that have been designated as science credits.

High School Science Courses (continued)

The Science department offers a pathway from foundational life and physical sciences to specialized exploration in Human Anatomy/Physiology and Biomedical Sciences, equipping students with critical thinking, lab skills, and real-world applications for future STEM careers.

▲ – Designated Science Credit—There are multiple Agricultural courses that have been designated as a science credit. Students may take two designated Ag Science courses to equal one science credit. See the Practical Arts section on p. 27-28 for more information.

BIOLOGY I – 1 CR (H2025)

Graduation Requirement

End-of-Course Assessment

Grade(s): 9

Prerequisite(s): None

Course Description: This course is designed to ensure that students have mastered concepts, principles, and laws of Biology. Students will be able to competently apply the scientific method and can organize and solve scientific problems. Main units of study include: cells and cell functions; ecology and the interactions of living things; and genetics. Various labs will be conducted throughout the school year.

PHYSICAL SCIENCE – 1 CR (H2010)

Grade(s): 10, 11, 12

Prerequisite(s): None

Course Description: This course deals with the basic fields of chemistry and physics with relationship to matter and energy, as well as forces and motion. Other main topics include: metric measurement, scientific method, kinetic and potential energy, momentum and waves.

ECOLOGY – 1 CR (H9837)

Grade(s): 11, 12

Prerequisite(s): Biology

Course Description: Students will explore ecological concepts and the scientific research that has built our understanding of interactions in nature at the organismal, population, community, ecosystem, and global levels. Students will acquire an understanding of how the different levels of ecology are studied, how these levels relate to each other, and what properties are important at increasing levels of complexity. Additional topics include evolutionary ecology and contemporary environmental change and its consequences. Students will engage in techniques appropriate to ecological study and gain experience in experimental design, data analysis and interpretation, and the communication of results.

ANATOMY AND PHYSIOLOGY – 1 CR (H2015)

Grade(s): 12

Prerequisite(s): Biology (C or better)

Course Description: This course will cover the basics of human anatomy and physiology of the body with an emphasis on how the body works and why. Ideal for college bound students and those pursuing careers in medicine, health services, sports medicine, or physical therapy. Some of the systems covered will be cells, tissues, muscles, bones, circulatory, and digestive.

CHEMISTRY – 1 CR (H2005)

Weighted

Grade(s): 10, 11, 12

Prerequisite(s): Algebra I (C or better)

Course Description: This course is an introductory course to inorganic chemistry. The atomic nature of chemistry, as well as experimental and physical chemistry, will be studied. Theoretical ideas will be tested frequently in laboratory systems.

PHYSICS – 1 CR (H2007)

Weighted

Grade(s): 11, 12

Prerequisite(s): Algebra I (C or better) and Algebra II (enrolled concurrently or have passed with a C or higher)

Course Description: A general introduction to the fundamental laws of physics. Laboratory will be used a great deal, along with independent research on a variety of topics such as acceleration, vector quantities, gravitational forces, force, work, energy, electricity, particles, and waves.

PRINCIPLES OF BIOMEDICAL SCIENCE – 1 CR (H2050)

Grade(s): 10, 11, 12

Prerequisite(s): Biology

Course Fee: \$30

Course Description: This course serves to provide foundational knowledge and skills in fields such as biology, anatomy & physiology, genetics, microbiology, and epidemiology as well as engage students in how this content can be applied to real world situations, cases, and problems. Students will develop skills in technical documentation to represent and communicate experimental findings and solutions to problems.



High School Social Studies Courses

ACADEMIC CORE: SOCIAL STUDIES 3 CREDITS REQUIRED

PATHWAYS ▶

Option 1

Option 2

**Grade
9**

American
History

American
History

**Grade
10**

World
Geography

World
History

**Grade
11**

American
Government

American
Government

**ADDITIONAL
ELECTIVES** ▶

Psychology*

Current
Events

Dual Credit
History from
1877*

Sociology*

Dual Credit
American
Government*

Dual Credit
History to
1877*

*= 0.5 Credit

High School Social Studies Courses (continued)

The Social Studies department offers courses that guide students to explore the complexities of human interaction, historical trends, and diverse cultures, connecting the past to the present.

AMERICAN HISTORY – 1 CR (H4015)

Graduation Requirement

Grade(s): 9

Prerequisite(s): None

Course Description: A study of American history in the 20th century. Topics to discuss include America at the turn of the century, growth as a world power, the Great Depression, the Cold War, and America in modern times.

WORLD GEOGRAPHY – 1 CR (H4002)

Grade(s): 10, 11, 12

Prerequisite(s): None

Course Description: Study the physical geography of the world, its effects on the human population, and the use of and alteration of our living environment.

WORLD HISTORY – 1 CR (H4005)

Grade(s): 10, 11, 12

Prerequisite(s): None

Course Description: Surveys the course of world events from the 1400's to the present day. The course deals with the facts of history and cultural aspects, especially those that caused European nations to act and react to events.

AMERICAN GOVERNMENT – 1 CR (H4010)

Graduation Requirement

End-of-Course Assessment

Grade(s): 11

Prerequisite(s): None

Course Description: The study of the structure of the U.S. government and its application to the citizens. The class will study all levels of government: local, state, and federal.

CURRENT EVENTS – 1 CR (H4031)

Grade(s): 10, 11, 12

Prerequisite(s): None

Course Description: This course is a study of many issues that confront us every day. The history behind many issues will be included and will lead to a better understanding of the issues as they present themselves today. Students taking this course will practice identifying information, analyzing opposing views, forming opinions, and expressing themselves clearly. Students taking this course will be expected to participate in class activities, group projects and presentations. Students will learn the basics of journalism while producing a bi-weekly school newspaper. Besides working on writing skills for features and news stories, students will also learn about photography, design, how to sell advertising and the importance of meeting deadlines.

PSYCHOLOGY – 0.5 CR (H4020)

Offered only in the Fall

Grade(s): 11, 12

Prerequisite(s): None

Course Description: A study of major trends in psychology which requires in-depth interest and work of the student. Brain functions, psychological influences, and characteristics of mental illness are discussed.

SOCIOLOGY – 0.5 CR (H4021)

Offered only in the Spring

Grade(s): 11, 12

Prerequisite(s): None

Course Description: Sociology is the systematic study of social behavior and human groups. It focuses primarily on the influence of social relationships on people's attitudes and behavior and on how societies are established and changed.

UCM DC U.S. HISTORY TO 1877– 0.5 CR (H9709)

Offered only in the Fall

Weighted

Grade(s): 11, 12

Prerequisite(s): UCM eligibility

Course Description: This course is a survey of United States history from the earliest European settlements in North America through the end of Reconstruction and emphasizes our nation's political, economic, and social development, the evolution of its institutions, and the causes and consequences of its principal wars.

UCM DC U.S. HISTORY FROM 1877– 0.5 CR (H9710)

Offered only in the Spring

Weighted

Grade(s): 11, 12

Prerequisite(s): UCM eligibility

Course Description: This course covers major themes in modern American history including the post-Civil War period, western expansion, industrial growth of the nation and its effects, immigration and urban discontent and attempts at reform, World War I, the Roaring Twenties, social and governmental changes of the thirties, World War II and its consequences, the growth of the federal government, social upheaval in the sixties and seventies, and recent trends in conservatism, globalization, and cultural diversity. By the end of the semester, in addition to having a firm grasp of the contents of these themes, students will also be expected to be able to critically read, analyze and write about primary and secondary documents and what they tell us about the past; be able to weigh different kinds of information and make coherent arguments regarding major historical themes.

Note: College credit offered through the University of Central Missouri, taught in person by Holden High School staff.

High School Elective Courses

YEARBOOK– 1 CR (H6020)

Grade(s): 10, 11, 12

Prerequisite(s): C average in English courses & Application required

Class Limit: 15 students

Course Description: A lab course in which the school's yearbook is produced. Students need strong writing, design, communication, and organizational skills. A strong work ethic is a must. Yearbooks is a business; therefore, professionalism is required. This course requires work responsibilities beyond the school day in the form of photography assignments, spread design, interviews, and meeting deadlines. As much of the yearbook is composed on the computer, a working knowledge of word processing and desktop publishing is helpful.

To join Yearbook, students must submit an application. Students will be chosen based on quality of application, attendance, and other factors impacting their success in covering events for school publications. An interview with the Yearbook teacher may be required. The applicant must have a C average in all English classes, and students with any failing grades in English classes will not be accepted.

◆GAMING CONCEPTS FUNDAMENTALS– 0.5 CR (H9640)

Grade(s): 9, 10, 11, 12

Prerequisite(s): None

Course Description: This course will enhance student problem-solving and teamwork skills while learning about the ethical use of technology and gaining practical experience in game design. The fundamentals course blends developing critical thinking, communication, teamwork, and responsible digital behavior with topics such as esports-related careers, game design fundamentals, and lessons on emerging technologies like AI and virtual reality. The course also emphasizes purposeful gaming play, journal writing, and understanding the global impact of gaming through project-based learning and industry-specific lessons. Students will have the opportunity to join Esports Club to participate in competitive gaming.

GAMING CONCEPTS INTERACTIVE MEDIA– 1 CR (H9645)

Grade(s): 10, 11, 12

Prerequisite(s): Gaming Concepts Fundamentals or Computer Science

Course Description: This course is designed to introduce students to the fundamentals of video game design, interactive storytelling, and digital media production. Students will explore how games are created, including concepts such as game mechanics, level design, user experience, and interactive narratives. The course emphasizes creativity, problem-solving, and critical thinking as students analyze existing games and develop their own interactive media projects.

PERSONAL FINANCE– 0.5 CR (H6025) Graduation Requirement

Grade(s): 11, 12

Prerequisite(s): None

Course Description: In this introductory finance course, students learn basic principles of economics and best practices for managing their own finances. Students learn core skills in creating budgets, developing long-term financial plans to meet their goals, and making responsible choices about income and expenses. They gain a deeper understanding of capitalism and other systems so they can better understand their role in the economy of society. Students are inspired by experiences of finance professionals and stories of everyday people and the choices they make to manage their money.

TEACHER AIDE– No credit (H9600)

Grade(s): 11, 12

Prerequisite(s): Approved placement

Course Description: This course is a no-credit elective designed to provide students with the opportunity to assist teachers and staff while developing responsibility, leadership, and workplace readiness skills. Students will support classroom and school operations by performing a variety of supervised tasks such as organizing materials, assisting with classroom preparation, supporting technology use, and completing clerical duties. Students are expected to follow directions, complete assigned tasks efficiently, and demonstrate appropriate behavior in a professional school environment.

OFFICE AIDE– No credit (H9605)

Grade(s): 12

Prerequisite(s): Approved placement

Course Description: This course is a no-credit elective that provides students with the opportunity to assist school office staff while gaining practical experience in a professional work environment. Students will perform a variety of supervised clerical and organizational tasks such as answering phones, delivering messages, organizing materials, assisting with basic office duties, and supporting daily school operations.

WORK RELEASE– 1- 2 CR (H9602)

Grade(s): 12

Prerequisite(s): On track to graduate

Course Description: This Pass/Fail course is a work-based learning course that allows eligible students to leave campus during part of the school day to participate in approved employment. This course is designed to help students develop essential workplace skills while gaining practical, real-world experience. Students are required to maintain regular employment, demonstrate appropriate workplace behavior, and comply with all school and employer expectations. Emphasis is placed on responsibility, punctuality, communication, time management, and professionalism. Students may also complete periodic check-ins, employment verification, and reflection activities under the supervision of school staff.

Warrensburg Area Career Center, WACC

Holden students can apply to attend a career and technical education program at the Warrensburg Area Career Center. Programs include Automotive, Construction, and Health Sciences. Students must complete an application and in person interview. Selection of students will be based on attendance, grades, personal conduct, and career goals. All vocational programs are two years in length. After completion of any two-year program, students will receive one Language Arts embedded credit and one Math embedded credit. These credits may not be used to replace any required credits from grades 9-11. Students must also meet minimum credit requirements to be accepted or to maintain their slot in the program. Credits will be reviewed every semester by administration and

counselors.

Must have earned 13 credits toward graduation and permission of the principal and the counselor, G.P.A. should be 2.0 or better, 90% attendance.

Lunch is eaten at Holden High School, then students are transported to Warrensburg for the afternoon session. Transportation is provided by the school district.

AUTO COLLISION TECHNOLOGY– 3 CR (H8805)

2-year program

Grade(s): 11-12

Prerequisite(s): Math recommended

Course Description: Students will learn to examine, estimate, and repair damaged automobile and truck bodies. Second-year students will spend time on the Blackhawk Bench System which will allow the students to work on uni-body frames which are used in late model cars.

AUTO SERVICE TECHNOLOGY– 3 CR (H8802)

2-year program

Grade(s): 11-12

Prerequisite(s): General science recommended

Course Description: This course includes an introduction to automobile engine and chassis design, fuel systems, engine lubrication, automotive electricity, clutch, brake, transmission, and wheel suspension systems. Second-year students will expand the skills and fundamentals learned in Auto Mechanics I.

CONSTRUCTION TECHNOLOGY– 3 CR (H8803)

2-year program

Grade(s): 11-12

Prerequisite(s): None

Course Description: This program is designed for students who want to work in the building trade field upon graduation from high school. Students receive training in rough framing, finishing work, drywall application, concrete finishing, painting, ceramic tile, plumbing, and electrical wiring. Second-year students will further develop the skills and knowledge obtained during Construction Technology.

COMPUTER TECHNOLOGY– 3 CR (H8804)

2-year program

Grade(s): 11-12

Prerequisite(s): Algebra I and Keyboarding are recommended

Course Description: Students work with peers and mentors from industry to design, build, and maintain Local and Wide Area Networks and to provide computer training and support for staff and students. Students may be asked to travel off campus to other schools to perform computer support services during and after regular class hours.

HEALTH SCIENCE I & II– 3 CR (H8801)

1- or 2-year program

Grade(s): 11-12

Fee: \$50.00 for drug screening

Prerequisite(s): None

Course Description: First semester is spent in the classroom and laboratory where students develop fundamental concepts of anatomy and physiology, medical terminology, personal health and hygiene, and pre-employment skills. Second semester students rotate through health care sites determined by their interest inventory and work with health care professionals in area clinical facilities.

Warrensburg Area Career Center is accredited by the Commission of the Council on Occupational Education (COE).

Visit their website for more information: <https://warrensburgvimo.sites.thrillshare.com/o/wacc>



Summit Technology Academy, STA

Each school within the Summit Technology Academy District is allotted slots based on student enrollment. Selection of students will be based on application, attendance (95% or higher), grades (3.0 GPA or higher), personal conduct, and career goals. Many of the courses below offer dual credit opportunities. Missouri Innovation Campus (MIC) program is a progressive initiative by the University of Central Missouri, Metropolitan Community Colleges, as well as numerous business partners such as Cerner Corporation, DST, Burns & McDonnell, and Black & Veatch. Some of the programs within STA have an option to pursue a baccalaureate degree and include industry immersion with local businesses that are in need of developing a skilled workforce. MIC students must meet appropriate Accuplacer or ACT scores. Eligible MIC programs include: Software Development, Design & Drafting, Bioinformatics, Systems Engineering/Networking, & Cyber Security. For more information visit, <http://ucmo.edu/mic> or ask your school counselor.

DIGITAL ELECTRONICS— 1.5 CR (Hg006)

Weighted

Grade(s): 11-12

Prerequisite(s): Engineering recommended

Course Description: This fast-paced, college level course in applied logic gives students the opportunity to learn how computers/logic circuits think and control the world around us. Students will use applied math to understand the logic behind the circuits, as well as computer simulation software to design and test digital circuitry prior to the actual construction of the circuits. Students will have the opportunity to learn everything from basic electronic circuit design, logic circuit design, all the way up to and including programming and interfacing with microcontrollers, which includes robot applications. Students can expect to use the engineering design process to think critically and independently solve open-ended problems.

COMPUTER INTEGRATED MANUFACTURING— 1.5 CR

Weighted

Grade(s): 11-12

Prerequisite(s): None

Course Description: This exciting course provides students with the fundamentals of computerized manufacturing technology in a global perspective. Students will have individual and team projects in the following areas of manufacturing: Computer Modeling-using a three dimensional, solid modeling software package with mass property analysis and design interface tools. CNC Equipment – understanding the machinery and tools and their operating and programming aspects. CAM Software – converting computer generated geometry into a program to drive CNC machine tools. Robotics- robotic arm programming and how they are used for materials handling and assembly operations. Flexible Manufacturing Systems – working in teams to design manufacturing work cells and table top factory simulations. The students will interact with industry experts and should expect to be challenged with ideation and creation of projects while working within a set of constraints.

AEROSPACE ENGINEERING— 1.5 CR

Weighted

Grade(s): 11-12

Prerequisite(s): B average in Algebra II

Course Description: This course provides students with the fundamental knowledge and experience to apply mathematical, scientific, and engineering principles to the design, development, and evolution of aircraft, space vehicles and their operating systems. In the classroom, students will engage in creative thinking and problem-solving activities using software that allows students to design, test, and evaluate a variety of air and space vehicles, their systems, and launching, guidance and control procedures. Students will build and test airfoils, gliders and model rockets, as well as fly a plane in a flight simulator program. Students can expect to work with and/or be mentored by professionals in the aviation/aerospace career field from around the Greater Kansas City metropolitan area.

ENGINEERING DESIGN & DEVELOPMENT— 3 CR

Weighted

Grade(s): 12

Prerequisite(s): B average in Physics; C or better in Digital Electronics

Course Description: During the fall semester, student design teams work on an open-ended problem in which they research, design, and construct a solution. Students apply principles developed in the four preceding PLTW courses, learn advanced physics and mathematical applications, and are guided by engineering mentors. Design teams must present progress reports, submit a final written report, and defend their solutions to a panel of Kansas City area engineering professionals at the end of the fall semester. The Spring semester is an Engineering Field Experience course in which students will be expected to travel two days per week to local firms such as The City of Lee's Summit Public Works (LSPW) Engineering Department and HDR-Archer. Students will learn the fundamental concepts of structures, and fluid mechanics, which will be applied directly to the projects for LSPW and HDR. Watch the video at the right in which students share their experience in this one of a kind class!

Summit Technology Academy, STA (continued)

AEROSPACE ACADEMY– 1.5 CR

Weighted

Grade(s): 12

Prerequisite(s): B- in Aerospace Engineering & Digital Electronics

Course Description: The Aerospace Academy Capstone provides advanced level avionics/aviation/aerospace pathways. This program represents a collaboration between STA, the City of Lee's Summit, the Lee's Summit Economic Development Council, and the Lee's Summit Municipal Airport and includes potential lab opportunities for students at the airport. Students will learn cutting-edge curriculum developed by subject matter experts in aerospace/aviation including acquiring learning targets for the AET certification, career exploration for the seven aerospace workforce pathways, hands-on applied learning experiences at the Lee's Summit airport utilizing industry standard equipment, and a field experience within one or more of the seven aerospace pathways.

DevSecOps– 1.5 CR (H8830)

Weighted

Grade(s): 11-12

Prerequisite(s): B average in Algebra I and Computer Applications

Course Description: Development, Security, and Operations (DevSecOps) is a deep dive into the foundations of network operations by using the lens of security to tie it all together. Hands-on and simulation-based activities in this course assist with implementing network operations with software development and cyber security concepts. Students will see how culture, automation, and platform design integrates security as a shared responsibility throughout the entire IT lifecycle. In this course, you will learn about the OSI Model and how that model allows IT to function across Software Development, CyberSecurity and Network Operations. Specifically, you will learn the principles and structure of IP addressing, LAN and WAN specifications, and network management. This course encompasses 1 additional college class (6 college credits) in order to prepare the student for the CompTIA IT Fundamentals+ Certification Exam. Learn information the tech industry needs for high-demand, high-wage tech careers. Students interested in the MIC CyberSecurity early bachelor degree program must enroll in this course and Advanced Network and Cyber Concepts.

ADVANCED NETWORK & CYBER CONCEPTS– 1.5 CR

Weighted

Grade(s): 11-12

Prerequisite(s): B- or higher in DevSecOps

Course Description: This course will give students hands-on experience into network security protection, as well as an understanding of the types of attacks used against networks. The course will cover security policies such as risk management, data privacy, employee management, device management, network management, and business continuity. Students will also learn current technologies such as SSH, AAA, ACLs, IPS/IDS, PKI, and others. Students will develop an understanding of physical, perimeter, network, host, application and data defenses. This course covers the information required for the Cisco Network Security and CompTIA Security+ certification exams.

CYBER OPERATIONS– 1.5 CR (H8832)

Weighted

Grade(s): 11-12

Prerequisite(s): B- or higher in DevSecOps

Course Description: Learn the skills to join this fast-growing field and take advantage of the opportunities found in security operation centers. Feel confident that you are helping make the world a safer place by pursuing a role in this field. In this course you will learn security concepts, security monitoring, host-based analysis, network intrusion analysis, and security policies procedures. This course also aligns with the National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework to support consistent communication language for cybersecurity education, training, and workforce development.

SOFTWARE DEVELOPMENT-PYTHON– 1.5 CR (H8835)

Weighted

Grade(s): 11-12

Prerequisite(s): B- or higher in Algebra II

Course Description: Learn Python content currently taught in college curriculum and in industry. Topics include basic computer organization and systems, data representation, algorithms, selections, loops, functions, classes, objects, elementary programming, applications, strings and text I/O, inheritance, lists, dictionaries, scripting, and various Python libraries. Students interested in the MIC Computer Science: Software Development or Software Engineering early bachelor degree program must enroll in this course and Software Development-Java.

Summit Technology Academy, STA (continued)

SOFTWARE DEVELOPMENT-DATA & AI– 1.5 CR

Weighted

Grade(s): 11-12

Prerequisite(s): Software Development-Python

Course Description: Students will use the Python programming language to learn the basics of Data Analytics as well as give them hands-on experience working with database tools available. This course, designed with our advanced learners in mind, will continue their understanding and implementation of programming fundamentals and concepts acquired through previous programming courses. We will explore python libraries specific to the field of data manipulation. By the end of the semester, students will understand how Machine Learning fits into Artificial Intelligence and use different methods of Machine Learning including Neural Networks.

SOFTWARE DEVELOPMENT-JAVA– 1.5 CR (H8836)

Weighted

Grade(s): 11-12

Prerequisite(s): B- or higher in Algebra II

Course Description: This course teaches essential concepts of computer programming in the structured programming paradigm using a modern high level programming language. Topics include foundational programming concepts, data types, variables, operators, selections, loops, methods, arrays, classes, objects, strings and text I/O, inheritance, polymorphism, interfaces, GUI basics, graphics, and event-driven programming. Students interested in the MIC Computer Science: Software Development or Software Engineering early bachelor degree program must enroll in this course and Software Development-Python.

SOFTWARE DEVELOPMENT-APPLICATIONS– 1.5 CR (H8837)

Weighted

Grade(s): 11-12

Prerequisite(s): Software Development-Java

Course Description: Explore the history of game design while learning and utilizing the phases in the game development cycle. Learn the process of the design and implementation of software applications, including games, from initial research and development to the end goal of implementation. Students will learn what they need to create a functioning application by the end of this course.

ALLIED HEALTH ACADEMY– 3 CR (H8842)

Weighted

Grade(s): 11-12

Prerequisite(s): B average in Algebra I & Biology

Course Description: Students will be engaged in hands-on skills lab work and projects related to Dentistry, Health Information Technology; Occupational Therapy, Paramedic/EMT, Physical Therapy/Physical Therapy Assistant, Radiology and Respiratory Care, Surgical Technology, Polysomnography, Chiropractic, Athletic Training, Laboratory, Pharmacology, and other allied health careers. This program allows shadowing opportunities in allied health career fields. In addition, students have opportunities to gain industry credentials such as Basic Life Saver CPR training and HIPAA credentials.

MEDICAL INTERVENTIONS– 1.5 CR

Weighted

Grade(s): 11-12

Prerequisite(s): Chemistry & Biology

Course Description: Students investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of the Smith family. Students conduct experiments while exploring how to prevent and fight infection, how to screen and evaluate the code in human DNA, how to prevent, diagnose and treat cancer, and how to prevail when the organs of the body begin to fail. Students are exposed to a wide range of interventions related to bacterial infections, surgery, genetic engineering, pharmacology, medical devices, and diagnostics. Students study real world medical problems through laboratory experiences.

BIOMEDICAL INNOVATION– 1.5 CR (H8845)

Weighted

Grade(s): 11-12

Prerequisite(s): Medical Interventions

Course Description: In this capstone course students design and conduct experiments related to the diagnosis, treatment, and prevention of disease or illness. They apply their prior knowledge and skills to solve problems related to Biomedical science. Students may work with a mentor or advisor from a university, hospital, or physician's office, as they complete an Independent Research Project of their own choosing. Students present their Independent Research Project along with other BI students in the metropolitan area at GKSEF and Union Station. Scholarships are awarded to top winners. Other course topics include: problems in emergency medicine, forensic autopsy, human anatomy and physiology, molecular biology, epidemiology, and water quality. Students completing all 4 years of the PLTW Biomedical science program will receive a white coat.

Summit Technology Academy, STA (continued)

PROFESSIONAL NURSING– 3 CR (H8841)

Weighted

Grade(s): 12

Prerequisite(s): B average in Algebra I

Course Description: Professional Nursing at STA is designed for seniors who are preparing for a college-level Bachelor's of Science in Nursing (BSN). Students will be introduced to what it means to be a Registered Nurse and focus on essential competencies for a successful transition into a BSN program. This year-long course will focus on concepts of medical language, medical math, the nursing process, nursing documentation, effective communication, and medical ethics. OSHA-10, AHA Basic Life Support-CPR, and AHA First Aid certifications are also included in this course. Students will have the opportunity to learn and practice clinical skills in classroom settings, through hands-on lab experiences, within simulation labs, throughout the community, and by participating in hospital shadowing.

TEACHER EDUCATOR ACADEMY– 3 CR

Weighted

Grade(s): 12

Prerequisite(s): B average in Algebra I

Course Description: The Teacher Educator Academy is designed for students who are considering the elementary/secondary teaching profession or a career as a corporate educator. The course offers students the opportunity to put theory into action through classroom work and the practicum. Students will develop skills and professionalism needed to succeed as an educator as they work directly with students/adults in the practicum. Each student is assigned to a district school within the high school attendance boundaries or to a corporate education department. A blended instructional model of classroom and online learning is used to deliver instruction and to provide opportunities for students to develop their beliefs and philosophy of education. Students will participate in Educators Rising as part of the course requirements.

INTERNATIONAL STUDIES ACADEMY– 3 CR

Weighted

Grade(s): 11-12

Prerequisite(s): 2 years of foreign language

Course Description: This course is designed for students who are passionate about world cultures and languages who need help in taking those first steps towards working internationally or studying abroad. Students will acquire 84 skills considered essential to working and studying internationally, with specific attention given to intercultural communication, international language exploration, project management and collaboration, professionalism, technology, and research. Students will then apply those skills through our student-run cultural consulting firm, Global Prep Squad (GPS). GPS works with international partners on six continents providing professionally implemented international business tools and solutions which help guide our business clients through the challenges of working within a global context.

BUSINESS FINANCE & FINTECH– 3 CR

Weighted

Grade(s): 11-12

Prerequisite(s): B average in Algebra

Course Description: This dynamic program is for students interested in learning advanced concepts in finance and financial technology (FinTech) careers and would like to enter college finance programs after graduation with a competitive advantage. Students will be immersed in problem-based and project based instruction that mirrors the current financial industry related to the following areas: Risk Management, Data Analysis (BIG DATA), Financial Technology (FinTech), Financial Modeling, Understanding Balance Sheets and P&L Statements, Economics, Communication Skills, Corporate Finance, Commercial Banking, Investment Management and Financial Advisory Insurance. This program allows internship and shadowing opportunities in financial career fields. Students will utilize the best of modern technology with a selection of online coursework, simulations and hands-on learning.

DIGITAL MEDIA TECHNOLOGY– 3 CR (H8890)

Weighted

Grade(s): 11-12

Prerequisite(s): 2 Fine Arts/Practical Arts related to Arts Pathway

Course Description: The Digital Media Technology program at Summit Technology Academy gives students an opportunity to explore and prepare for careers in arts, audio/video technology, and communications. Students will focus on the complete video and audio production workflow from pre-production through post-production. They will work in teams to integrate video, motion graphics, and sound in entrepreneurial and career experience-based projects for their schools and/or communities. Students have the opportunity to gain skills towards an industry-recognized certification in Final Cut Pro or Logic Pro.

HOSPITALITY, TOURISM, & RECREATION MANAGEMENT– 3 CR

Weighted

Grade(s): 11-12

Prerequisite(s): B average in Algebra I

Course Description: The curriculum for this class is industry-driven, therefore matching the needs of hospitality employers across the world. The course will focus on the options available in the Hospitality, Tourism and Recreation industries as well as preparing students to understand and prepare for management. Students will be able to achieve internship hours through on-site events at the Paradise Park with the go karts and batting cages, as well as outside experiences with business partners, based on student interest. Skills learned in this course are transferable to other opportunities related to the field and will put you on a path to a successful career.

Summit Technology Academy, STA (continued)

ENVIRONMENTAL STUDIES--3 CR

Weighted

Grade(s): 11-12

Prerequisite(s): B average in Algebra I

Course Description: In the fall, Missouri Wildlife Studies lets you learn about the world you live in. You will be able to build upon your successes in previous science courses and apply those concepts to a living environment working with wild species, including snakes, birds, fish and many other animals native to the region through direct investigations in nature. Learning about nature through chemistry, biology and statistics will allow you to view your world in new and exciting ways. In the spring, Environmental science students make sense of the science within Missouri ecosystems as they experience Missouri wildlife phenomenon, share questions about the phenomenon and try to answer a class-identified question about a phenomenon. Students use critical thinking skills to develop and monitor live plant life and native animals. This scientific inquiry course allows students to incorporate place-based learning, project-based learning, and problem based learning, with an emphasis on participation in community conservation leadership.