

**WARRENSBURG
HIGH
SCHOOL**



2025-2026

**COURSE
DESCRIPTION
and
CAREER EDUCATION PLANNING
GUIDE**

Warrensburg R-VI School District Mission Statement

The Warrensburg R-VI School District will educate and empower all to be confident and successful through engaged learning in a safe community.

Motto

Believe, Achieve, Succeed

Warrensburg High School Mission Statement

The WHS Professional Learning Community strives to prepare students for their future endeavors.

Warrensburg High School Vision

We will guide students through various life experiences and awaken their potential. Furthermore, we will establish a sense of unity and foster empathy, creating compassionate individuals.

Warrensburg High School Professional Learning Community Values

Relationships - We create and foster meaningful relationships among students, families, teachers, staff, and community partners.

Personal Responsibility - We take ownership over learning experiences, behavior, and response to situations with empathy, tolerance, and personal integrity.

Education - We commit to the growth and development of life-long learners through challenging and comprehensive curriculum.

Perseverance - We cultivate resilience by using obstacles as opportunities for growth.

Engagement - We make a personal investment to be present and focused within all aspects of the school community.

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WARRENSBURG HIGH SCHOOL GRADUATION REQUIREMENTS

To meet the requirements for graduation from Warrensburg High School, a student must earn a minimum of 27 credits during grades nine and above in a program that shall be cooperatively planned by the student, his/her parents, and the school. These credits must include courses that satisfy both state and local requirements. A limited number of credits may be earned in summer school with the approval of local school officials. These credits will be counted toward the high school graduation requirements in accordance with State Board of Education standards and regulations. Two units of credit may be earned and counted toward meeting high school graduation through extension or correspondence courses from accredited public institutions of higher education. This credit is transferable. Senior transfer students who are unable to meet current graduation requirements but who have completed satisfactory work since the date of transfer will be allowed to graduate if they meet graduation requirements of their former school. Students may recover up to 2 credits of Core Requirements and earn up to 4 credits of elective credit utilizing a computer recovery program with approval from their counselor.

Graduation Requirements for the Warrensburg R-VI School District

English Language Arts	4 credits
Social Studies	3 credits
Mathematics	3 credits
Science	3 credits
Fine Arts	1 credit
Health	0.5 credit
Practical Arts:	1 credit
Personal Finance	0.5 credit
Physical Education	1 credit
Elective	10 credits
Total	27 credits

Required Courses

English Language Arts: ELA I, ELA II, and ELA III

Social Studies: Recent American History and Government

Science: Physical Science, Biology or Chemistry/Physics, PLTW Principles of Biomedical Science with Principles of Biology and 3rd elective science credit; or PLTW Principles of Biomedical Science with Principles of Biology and Chemistry/Physics

Personal Finance: ½ credit by taking Personal Finance

Health

In order to meet graduation requirements in science, students must earn credit in both Physical Science and Biology I, for a total of two (2) credits and one (1) additional Science credit. Students may also choose the pathway of PLTW Principles of Biomedical Science concurrent with Principles of Biology and Chemistry or Physics to meet the Physical Science/Biology I graduation requirements. ***One credit of science may be earned upon completion of Health Science I or the completion of three credits of the following agriculture education courses; Ag Science I, Ag Science II, Small Engine Repair, Equine***

Science, Advanced Animal Science, Greenhouse, Floriculture, Landscaping, Conservation, Biotechnology or Ag Science I & II and one of the others listed.

Early Graduation

Early graduation is a unique privilege available to students that have completed all graduation requirements by the end of the seventh semester of high school. Students must submit a brief letter of their intent to graduate early to the principal during their seventh semester.

ENROLLMENT

The enrollment process for each school year begins early in the preceding winter. In late January, students are given this course description book to begin planning course work. In addition, a teacher/advisor day is scheduled at WHS. This day allows faculty an opportunity to discuss department course offerings with students. Prerequisites, content, levels of difficulty, and other course characteristics are shared at this time. Following these activities, enrollment procedures differ from grade to grade. Once all students' selections are tentatively set, a final schedule is established. Parental input is always welcome and often required in this process.

Students will receive their final schedules at the end of the school year. At that time, a student may request additional schedule changes and WHS Counselors are available until early-June. Under certain conditions these requests will require parental permission before receiving consideration. Once the school year has begun, schedule changes will be made the first few days of school.

Tentative WHS 2025-2026 Enrollment Time-Line

February - Teacher Advisory Days - Students submit course requests during Academy

Mid-February - Course Description Guide and registration information distributed to eighth graders by high school Counselors

Late February – Registration nights for students entering 9th grade - 6pm to 7:30pm.

April - Counselors work with students and parents to resolve scheduling conflicts.

May - Distribute schedules to students at which time students will begin making changes & all schedules will be finalized by early-June.

Special Educational Needs

WHS provides support services for those students in our community who have special educational needs. Services will be extended to all students regardless of race, creed, socio-economic status, sex, or disabling condition.

ELL (English Language Learners) Needs

WHS provides support services for those students in our community who have limited English proficiency needs. Services will be extended to all students regardless of race, creed, socio-economic status, sex, or disabling condition.

Course Availability

Due to student demand, room availability, and teacher assignments, some classes may not be offered each year.

Eligibility Requirements for Extra-Curricular Activities

Eligibility is determined at the conclusion of each semester. Students must pass 3.5 units of credit toward graduation the previous semester and currently be enrolled in 3.5 units of credit.

Honors Programs

For those students with special interests and talents, honors classes are offered in the areas of English Language Arts, Band, Concert Choir, Social Studies, Science, Math, Foreign Language, Art, and Business. Some honors classes are offered for dual credit. Honors courses will receive an additional weight value of 1.0 graded points.

College Enrollment

A student taking any college class (on-line or not at WHS) is required to provide written documentation to the WHS Counselor of his/her final course grade. This grade must be provided promptly at the end of the semester in which that college class was completed in order to earn a "P" (pass) grade on the official transcript. If a college class is listed on the student's WHS schedule but the student fails to provide this written documentation of a final course grade, a grade of "F" (fail) will be entered for that class on the student's official high school transcript. If a student drops a college course without enrolling in a replacement course, they will earn a F for the dropped course on their high school transcript.

UCM Innovation Track is an exclusive Dual Credit program that allows high school students to take classes alongside college students at the University of Central Missouri campus, while paying the flat and reduced dual credit tuition rate. To participate in this program, you must meet both WHS and UCM eligibility requirements. You will work closely with a UCM Dual Credit advisor and your counselor to ensure course work meets future degree plans, as well as high school graduation/activity requirements. Please see your counselor to get started on the Innovation Track!

UCM Dual Credit GPA Criteria

If you are in the 11 th or 12 th grade with a cumulative GPA of 3.0 or higher	<ul style="list-style-type: none">You are automatically eligible for dual credit courses!
If you are in the 11 th or 12 th grade with a cumulative GPA between 2.5 – 2.99	<ul style="list-style-type: none">Must be recommended by principal or school counselor.
If you are in the 10 th grade with a cumulative GPA of 3.0 or higher	<ul style="list-style-type: none">Must be recommended by principal <u>and</u> school counselor.
If you are in 9 th grade with a cumulative GPA of 3.0 or higher	<ul style="list-style-type: none">Score at or above the 90th percentile (28) on the ACT or SAT.Must be recommended by principal <u>and</u> school counselor.

Note: Written parental/legal guardian permission is built into our enrollment application form.

Placement

Students wishing to enroll in English Language Arts, Math, History, or Chemistry for dual credit must meet current UCM Course Placement Guidelines that can be found on UCM's website.

WeMet - a dual credit consortium that Warrensburg High School belongs to. Dual credit opportunities, through the University of Central Missouri, are offered through on-line or interactive-TV classes. Grade received in these classes will be included on high school transcript. Classes available are at https://whs.warrensburgr6.org/quick_links/counseling_office/dual_credit

WHS Course Name	College	Grade Level	College Course Name	College Course Number	Credit Hours	Gen Ed Course/ Core 42 Yes/No?
Honors American History S1	UCM	11-12	History of US to 1877	HIST 1350	3	yes
Honors American History S2	UCM	11-12	History of US from 1877	HIST 1351	3	yes
Honors Government S1	UCM	11-12	Introduction to Politics (pending)	POLS 1500 (pending)	3	no
Honors Government S2	UCM	11-12	American Government	POLS 1510	3	yes
Chemistry 1	UCM	10-12	Introduction to Science: Chemistry	CHEM 1104	4	yes
Honors Chemistry I	UCM	10-12	General Chemistry I	CHEM 1131	5	yes
Child Development I	UCM	10-12	Child & Adolescent Development	HDFS 1220	3	no
Child Development II	UCM	11-12	Observation of Children	HDFS 1230	2	no
Career Pathways to the Teaching Profession	UCM	11-12	Introduction to the Teaching Profession	EDFL 2100	3	no

Career Pathways to the Teaching Profession Practicum	UCM	11-12	Introductory to Field Experience	FLDX 2150	1	no
Interpersonal Relationships	UCM	11-12	Individual & Family Relationships	HDFS 1010	3	yes
Honors Personal Finance	UCM	11-12	Personal Finance	FIN 1820	3	yes
Honors Applied Computer Applications	UCM	10-12	Managing Information using Computer Applications	CTE 1210	2	no
Speech I-DC	SFCC	9-12	Public Speaking	COMM 101	3	yes
Advanced Honors Debate	SFCC	10-12	Argumentation and Debate	COMM 190	3	yes
Honors English Literature	SFCC	11-12	British Literature	LIT 109	3	yes
Honors American Literature	SFCC	11-12	American Literature	LIT 107		
Honors Introduction to Literature	SFCC	11-12	Introduction to Literature	LIT 101	3	yes
Honors World Literature	SFCC	11-12	World Literature	LIT 112	3	no
Honors Composition I	UCM and SFCC	12	Composition I	ENGL 1020; ENGL 101	3	yes
Honors Composition II	UCM and SFCC	12	Composition II	ENGL 1030; ENGL 102	3	yes
Honors College Algebra	UCM	11-12	College Algebra	MATH 1111	3	yes

Honors College Trigonometry	UCM	11-12	College Trigonometry	MATH 1112	2	no
Honors Calculus	UCM	12	Calculus 1 with Analytic Geometry	MATH 1151	5	yes
Honors Statistics	UCM	11-12	Basic Statistics	ACST 1300	3	yes
Honors Spanish II	UCM	10-12	Elementary Spanish II	SPAN 1602	3	yes
Honors Spanish III	UCM	11-12	Intermediate Spanish I	SPAN 2601	3	yes
Honors Spanish IV	UCM	11-12	Intermediate Spanish II	SPAN 2602	3	yes
Advanced Animal Science	UCM	11-12	Intro to Animal Science	AGRI 1420	3	no
Greenhouse	UCM	10-12	Intro to Horticulture	AGRI 1600	4	yes

PLTW: Biomedical Science Dual Credit options

Project Lead the Way Biomedical Science program has the option of earning dual credit. Here is more information:

	Missouri S&T		https://pltw.mst.edu/ undergraduate- credit/			
	UCM			https://www.ucmo. edu/future- students/early- college- programs/project- lead-the-way/		
	SFCC		https://www.sfccmo.edu/sfcc-partners-with-project-lead-the-way-to- offer-biomedical-transfer-credit/			

SFCC Dual Credit or Articulated Courses offered at WACC

WACC Course Name	Grade Level	College Course Name	College Credit Hours	ACT Score	Accuplacer	Dual or Articulated
Ag Construction I and II	11, 12	WELD 101	4			Articulated
Advanced Animal Science	11, 12	AGRI 1420	3			Articulated
Green House Operation & Management	10, 11, 12	AGRI 1600	4			Yes
AG Business <i>AND</i> Ag Economics and Management	11, 12	AGRI 1175	2-4			Articulated
Auto Service Technology I	11, 12	AUTO 101	5			Articulated
Auto Service Tech I and II <i>AND</i> Pass NATEF with 75% or higher	11, 12	AUTO 113 AUTO 115 AUTO 116	5 5 3			Articulated Articulated Articulated
Construction Technology I	11, 12	CNST 145	3			Dual Articulated
Construction Technology I & II	11, 12	CNST 146	6			Dual Articulated
Health Science I & II	11, 12	NURS 114 NURS 116 NURS 116	2 3 3			Articulated Articulated Dual
Computer Technologies I	11, 12	NET 140 NET142	3 3			Articulated Dual
Computer Technologies II	11, 12	NET 102	3			Articulated Dual
Any of the WACC main campus courses*	11, 12	Math 107 Math 108	3 3	17-19 20-21	QAS 237-249 QAS 250-300	Dual** Dual**

*Includes Auto Service, Auto Collision, Computer Tech, & Health Science

**Courses are classed as on-line by SFCC but are only available to WACC students, are taught by an instructor at WACC campus, and require some additional work over the math already done in each WACC program (Many of the Technical (AAS) degrees at SFCC require these math courses.

State Tech of MO Dual Credit or Articulated Courses offered at WACC

WACC Course Name	Grade Level	College Course Name	College Credit Hours	ACT Score	Accuplacer	Dual or Articulated
Landscaping <i>AND</i> Greenhouse	11, 12	Turf Management	3			Articulated

** Private Universities and out of state Universities may not accept college credit earned in high school. Please check with your intended College for more information.

Advanced Placement (AP) Courses offered at WHS

The Advanced Placement program is sponsored by the College Board in Princeton, New Jersey. A satisfactory score on the AP exam qualifies the student to be eligible for college credit that can be transferred to many colleges. Students may take the AP exam in May after completing the high school course that prepares them for the test. Students should determine if the college in which they plan to enroll accepts AP credit. College placement offices can provide student information about their AP credit policies. Students will be asked to pay for the AP test in November before taking the test. Honors courses will receive an additional weight value of 1.0 grade points.

Independent Study

Independent Study is offered to seniors who want an in-depth study in a particular area of interest not currently offered in the schedule. These courses are offered only with the instructor and principal's written consent. The enrollment process starts with the completion of the instructor/student agreement form (with detail to expected curriculum and assessments) which is available from the counseling office.

COLLEGE/TECH SCHOOL PREPARATION

Students planning to attend college need to be prepared to make informed choices that can affect their admissions to Missouri colleges and universities. The Coordinating Board for Higher Education requires a minimum of 16 core curriculum requirements for admission to all public four year colleges and universities in Missouri.

The guidelines for admission to public colleges and universities in Missouri include:

English Language Arts – 4 units, one of which may be speech or debate: 2 units emphasizing composition or writing skills are required.

Mathematics – 3 units (high school level Algebra and beyond, i.e., Algebra II, Geometry, Math Analysis, and Calculus). Students who complete Algebra prior to the freshman year would be expected to complete 3 additional units in grades 9-12. The University of Missouri-Columbia requires 4 units – Algebra I and beyond.

Social Studies – 3 units

Science – 2 units (one of which must be a laboratory course).

Visual/Performing Arts – 1 unit (fine arts courses in visual arts, music, dance and theater)

Electives – 3 units, selected from foreign language and/or combinations of the above courses (two units of foreign language are strongly recommended)

NCAA Athletics Eligibility

Students planning to participate in athletics as a college freshman should apply for certification before graduation. Go to the clearinghouse Web site at www.ncaa.org to start the certification process. This certification should be at the college in which they intend to enroll. The Clearinghouse will issue a preliminary certification report when all materials have been submitted. After graduation, if the eligibility information is requested by a member institution, the Clearinghouse will review the final transcript to make a certification decision according to NCAA standards. All SAT and ACT scores must be reported directly to the NCAA Eligibility Center by the testing agency. Test scores on transcript will not be used. When registering for the SAT or ACT, use the Eligibility Center Code of 9999 to make sure the score is reported to the Eligibility Center. To be certified by the NCAA Clearinghouse a student must:

1. **Graduate from high school.**

2. **Earn a grade-point average of at least 2.30** (on a 4.00 scale).

Only courses that satisfy the NCAA definition of a core course can be used to calculate the NCAA GPA. No special values are allowed for "+" or "-" grades. The chart below shows the core courses that must minimally be included.

DIVISION I

16 Core Courses:

4 years of English Language Arts.
3 years of mathematics (Algebra I or higher).
2 years of natural/physical science (1 year of lab if offered by high school).
1 year of additional English, mathematics or natural/physical science.
2 years of social science.
4 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy).

DIVISION II

16 Core Courses:

3 years of English Language Arts.
2 years of mathematics (Algebra I or higher).
2 years of natural/physical science (1 year of lab if offered by high school).
3 years of additional English, mathematics or natural/physical science.
2 years of social science.
4 years of additional courses (from any area above, foreign language or non-doctrinal).

NAIA Athletics Eligibility

If attending an NAIA school, please visit www.playnaia.org to start the certification process. All ACT or SAT scores need to be reported directly to the NAIA. When registering for the ACT or SAT, use the NAIA eligibility code of 9876 to make sure the score is sent to the NAIA. To become NAIA eligible, a student must complete two out of three of the following requirements:

1. **Achieve a minimum of 18 on the ACT or 860 on the SAT.**
2. **Achieve a minimum overall high school GPA of 2.0 on a 4.0 scale.**
3. **Graduate in the top half of your high school class.**

MAKE HIGH SCHOOL COUNT

Your high school years may be the most exciting and important ones you will spend in school. For the first time, you'll have lots of choices to make about what you study. It's important to know that the choices you make for 9th grade - as well as 10th, 11th, and 12th - will affect the choices you'll have for the rest of your life.

No matter what you dream of doing with your life, preparing yourself for more education beyond high school is your wisest plan right now. Post-high school education can provide valuable experiences that contribute to a better quality of life for you. Whether or not you go on to a college, university, career, or technical school, the information and skills you learn in your high school classes will always be useful in the world of work.

Remember: Everyone, in every kind of job, needs to be able to write and speak clearly, listen carefully, understand what is written and spoken, and use math effectively.

First, you need to be thoroughly familiar with all the **required courses and graduation requirements** of your high school.

- You should **take an English or literature class** each year of high school. These classes will strengthen your reading, writing, and speaking skills.
- A series of **mathematics courses** is very important as you prepare for the careers of the future. Four years of high school math, **including algebra and geometry**, are necessary to many occupations. Math will be even more important in the future.
- Make sure you take enough **social studies courses** to get a good understanding of American history and our government. Many colleges and universities require three years of study.
- **Science is important.** Schedule three or more years, including at least one laboratory course.
- Schedule at least one year of **visual and performing arts** from the areas of visual arts, music, dance, and theater.
- **Elective courses** allow you to explore your special interests. These courses are considered very important. Seriously consider taking a foreign language. Some colleges expect two years of foreign language study, and your understanding of the world can be improved by knowing another language.
- You should **take a Computer Literacy class** while in high school. Learning how to use a computer will give you a strong foundation of how technology works and be useful in both school and life.

This is the perfect time to check out lots of career options. The Web is a great resource for information about specific schools or training programs, and here are some other ways to learn more if you are considering:

1. Attending a **four-year college, university, vocational/technical school, or two-year college**
 - Make a list of the schools that interest you.
 - Gather information from each school and study it.
 - Register to take the ACT® test before December of your senior year; spring of your junior year is recommended. All U.S. colleges and universities accept ACT scores.
 - Visit the campus of each school you are seriously considering.
 - Apply early for admission and housing.

- Apply early for financial assistance. Pay attention to deadlines listed in the financial aid information you receive from your counselor and the school(s) you are interested in attending.
 - Find out about local, state, federal, and private student financial assistance programs.
 - Make your decision. Take time to review all information carefully and weigh your options.
2. **Serving in the Armed Forces**
- Visit with friends, neighbors, and relatives who have served in various branches of the Armed Forces.
 - Study the military literature available in your counseling office.
 - Evaluate any physical limitations that might prevent you from serving in the Armed Forces.
 - Compare military training opportunities with possible civilian occupations.
 - Arrange with your counselor to visit with various military recruiters during your junior and senior years of high school.
 - Compare benefits, tours of duty, training, and promotion opportunities of military programs.
3. **Looking for direct employment after high school**
- Explore your special abilities and interests with your school counselor.
 - Collect and study materials about writing resumes and letters of application.
 - Consider whether you want to move away from your home region after high school.
 - Visit with individuals working in various occupations that may be of interest to you.
 - Become familiar with major employers in the areas where you are interested in working.
 - Be knowledgeable about the vocational/technical program offerings available in your high school.

Financing Available

There is a lot of financial help if you want to take the big step toward more education after high school. Many students hesitate to consider additional education because of tuition costs. If you think you can't afford more education after high school, you need to know that many students receive financial help from:

- The state
- The school they attend after high school
- The federal government
- Private financial assistance programs

Different types of financial assistance

- Scholarships – usually based on good high school grades, good test scores (like the ACT), or exceptional ability (like athletic talent)
- Grants – usually based on financial need
- Loans – will need to be repaid eventually
- Work Programs – allows students to earn money for educational costs and living expenses

Your school counselor and the financial aid office at the schools you're considering can give you information about how to apply for financial assistance.

You can also use free searches on the Internet for scholarships (try www.fastweb.com) or the local library to search for private funds.

Military Programs can provide financial assistance and additional training.

Apprenticeships and on-the-job training are other ways to continue your education.

Your state may offer a variety of financial assistance for the Web addresses and phone numbers of aid sources in your state and elsewhere.

Individual Career Academic Plan (ICAP)

The development and implementation of a student's ICAP is critical in maximizing a student's high school experience and making sure he/she is on target to complete high school ready for success. Developing a rigorous and relevant ICAP based on career aspirations can open doors of opportunity that can lead to a lifetime of economic and social productivity.

An ICAP is a student's roadmap to his/her future via anticipated coursework, assessments, organizations, and experiences. The foundation for the creation of an ICAP starts at the elementary level, when students start to become aware of the concept of work and begin to learn about the world of work through broad career paths. In the middle grades, students should be provided with career and educational exploration activities that focus on career paths and clusters through coursework and various career activities, culminating with the development of an initial ICAP that should be based on a rigorous pathway. This initial ICAP should be developed no later than the end of eighth grade.

An ICAP should not only reflect graduation requirements but also the relevant movement toward career aspirations. Information in addition to the state and local graduation requirements that must be utilized to successfully develop a plan include a knowledge of a student's academic strengths and weaknesses; knowledge of his or her interests, abilities, and values; knowledge and understanding of various postsecondary opportunities such as technical training, college, stackable credentials, etc.; and the requirements for pursuing a certain path, such as a college entrance exam score and/or licensure certificate. Students also need an understanding of current high school courses, programs, and extracurricular activities and their connections to future career aspirations. High school students might choose options, such as participation in an internship or apprenticeship, earning credentials that count toward an associate's degree or taking college credit-bearing classes such as dual credit and AP.

Each WHS student has an account through Xello. To access their account, the log in to Cleaver. This is where the ICAP will be developed and maintained throughout your high school career.

How can parents and other interested adults help?

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

What if students change their minds?

- A career path choice or an Individual Career and Academic Plan (ICAP) is not a permanent commitment.
- As students have new experiences, they will learn new things about themselves and may change their ICAP.
- If a student decides on a new career path, he or she can discuss it with a counselor and his/her ICAP accordingly.

CHOOSING A CAREER PATHWAY

Step 1: Self-Inventory / Identify your interests, abilities, and talents. (Circle all that apply to you.)

<p>Activities That Sound Interesting To Me</p> <ol style="list-style-type: none"> 1. reading or writing stories or articles 2. designing and building scenery for plays 3. gardening 4. taking photographs 5. acting in a play or movie 6. listening to/playing music. <p>Personal Qualities That Describe Me</p> <ol style="list-style-type: none"> 1. imaginative 2. creative 3. outgoing 4. like using my hands to create things 5. performer <p>In my free time I would enjoy</p> <ol style="list-style-type: none"> 1. working on the school paper or yearbook 2. acting in a play 3. painting pictures, drawing <p>School Subjects/Activities That I Enjoy or Do Well In</p> <ol style="list-style-type: none"> 1. social studies 2. choir/chorus/band 3. creative writing 4. art <p>Total # circled _____ A.</p>	<p>Activities That Sound Interesting To Me</p> <ol style="list-style-type: none"> 1. interviewing people 2. using computer program to do math 3. typing letters, forms banners, etc. 4. keeping records, taking notes at meetings 5. working with numbers 6. organizing files and paperwork <p>Personal Qualities That Describe Me</p> <ol style="list-style-type: none"> 1. practical 2. independent 3. organized 4. like to use machines 5. like to be around people <p>In my free time I would enjoy</p> <ol style="list-style-type: none"> 1. being in a speech contest or debate 2. using a computer 3. volunteering in a local hospital office <p>School Subjects/Activities That I Enjoy or Do Well In</p> <ol style="list-style-type: none"> 1. speech 2. language 3. math 4. marketing <p>Total # circled _____ B.</p>	<p>Activities That Sound Interesting To Me</p> <ol style="list-style-type: none"> 1. preparing medicines in a pharmacy 2. helping sick people 3. working with animals 4. helping with sports injuries 5. studying anatomy and disease 6. performing surgery <p>Personal Qualities That Describe Me</p> <ol style="list-style-type: none"> 1. compassionate and caring 2. good listener 3. good at following directions carefully 4. conscientious and careful 5. patient <p>In my free time I would enjoy</p> <ol style="list-style-type: none"> 1. volunteering in a hospital 2. taking care of pets 3. exercising and taking care of myself <p>School Subjects/Activities That I Enjoy or Do Well In</p> <ol style="list-style-type: none"> 1. math 2. science 3. biology 4. chemistry <p>Total # circled _____ C.</p>
<p>Activities That Sound Interesting To Me</p> <ol style="list-style-type: none"> 1. putting things together 2. designing buildings 3. working on cars, mechanical things 4. using advanced math to solve problems 5. gardening 6. using tools <p>Personal Qualities That Describe Me</p> <ol style="list-style-type: none"> 1. practical 2. like using my hands 3. logical 4. good at following instructions 5. observant <p>In my free time I would enjoy</p> <ol style="list-style-type: none"> 1. building stage sets for a school play 2. drawing sketches of cars, mechanical things 3. working on cars <p>School Subjects/Activities That I Enjoy or Do Well In</p> <ol style="list-style-type: none"> 1. math 2. geometry 3. woodworking 4. science <p>Total # circled _____ D.</p>	<p>Activities That Sound Interesting To Me</p> <ol style="list-style-type: none"> 1. predicting weather 2. predicting or measuring earthquakes 3. growing flower/trees, gardening 4. studying rocks and minerals 5. raising fish or other animals 6. working in a chemistry lab <p>Personal Qualities That Describe Me</p> <ol style="list-style-type: none"> 1. like helping with problems 2. nature lover 3. physically active 4. problem solver 5. observant <p>In my free time I would enjoy</p> <ol style="list-style-type: none"> 1. hiking 2. participating in FFA or 4H 3. experimenting with a chemistry set <p>School Subjects/Activities That I Enjoy or Do Well In</p> <ol style="list-style-type: none"> 1. math 2. geography 3. biology 4. geometry <p>Total # circled _____ E.</p>	<p>Activities That Sound Interesting To Me</p> <ol style="list-style-type: none"> 1. helping people solve problems 2. working with kids 3. working with elderly people 4. preparing food 5. being involved in politics 6. solving a mystery <p>Personal Qualities That Describe Me</p> <ol style="list-style-type: none"> 1. friendly 2. open 3. outgoing 4. good at making decisions 5. good listener <p>In my free time I would enjoy</p> <ol style="list-style-type: none"> 1. tutoring young children 2. helping with a community project 3. coaching kids in a sport <p>School Subjects/Activities That I Enjoy or Do Well In</p> <ol style="list-style-type: none"> 1. language arts 2. history 3. speech 4. math <p>Total # circled _____ F.</p>

Step 2: Career Paths Survey

Keeping in mind the information you just gained from the self-inventory, read each of the following descriptions. Rank them from 1 to 6 in the order that best describes you, 1 being best. Use each number only once.

- A. _____ Are you a creative thinker? Are you imaginative, innovative, and original? Do you like to communicate ideas?
- B. _____ Do you enjoy being a leader, organizing people, planning activities for others, and talking with people? Do you like to work with numbers or ideas? Do you enjoy carrying through with an idea and seeing the end product? Do you like to know what is expected of you and like things around you to be neat and orderly?
- C. _____ Do you like to care for people or animals who are sick or help them stay well? Are you interested in new diseases and in how the body works? Do you enjoy observing patients and looking for changes in how they are doing?
- D. _____ Are you mechanically-inclined and practical? Do you like to use your hands and build things? Are you curious about how things work?
- E. _____ Are you a nature lover? Are you practical, curious about the physical world, and interested in plants and animals? Do you like to be physically active? Do you like to observe, learn, investigate, or solve problems?
- F. _____ Are you friendly, open, outgoing, understanding, and cooperative? Do you like to work with people to help solve problems? Is it important to you to do something that makes things better for other people?

KEY TO SURVEY & SELF-INVENTORY:

- A = Arts and Communications
- B = Business
- C = Health Services
- D = Industrial and Engineering Technology
- E = Natural Resources Sciences
- F = Human Services

Compare the self-inventory with the survey above. The letters A-F in the self-inventory boxes represent the career pathways listed above. The self-inventory area that you scored highest in is the career path where your interests lie. It should also be the survey item you rank highest. This is the career pathway you should explore.

Discuss this information with adults in your family and with other interested adults. Ask them to share what they see as your strengths and talents. It is also helpful to ask them to talk about information they may have about careers and the world of work.

There are a variety of other career interest instruments. Your counselor will be leading you through some of these while you are in high school and will be happy to help you compare those results with the career pathways.

CAREER PATHS OVERVIEW

What Are Career Paths? *Career paths are clusters of occupations/careers that are grouped because many of the people in them share similar interests and strengths. All paths include a variety of occupations that require different levels of education and training. Selecting a career path provides you with an area of FOCUS, along with FLEXIBILITY and a VARIETY of ideas to pursue.*

ARTS AND COMMUNICATION

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

BUSINESS, MANAGEMENT & TECHNOLOGY

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

HEALTH SERVICES

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

HUMAN SERVICES

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

INDUSTRIAL AND ENGINEERING TECHNOLOGY

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

NATURAL RESOURCES

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

CAREER PATHS INFORMATION

ARTS AND COMMUNICATION

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

*Are you a creative thinker, imaginative, innovative, original, and like to communicate ideas?
This may be the career path for you!*

The following classes will help support the exploration and preparation for a career in Arts and Communication:

Art I & II	Photography	Honors Portfolio Painting
Honors Portfolio Drawing	Honors Portfolio Ceramics	Honors Three Dimensional Art
Nutrition & Wellness	International Foods	Housing Environment & Design
Apparel, Textiles & Fashion	Creative Writing	Foreign Language (two years)
Communication Artists	Debate & Forensics	Senior Composition & Research
Honors English Literature	Techniques of Writing	English Language Arts I, II, III
Speech I & II	Video Production I & II	Honors Library Practicum
Yearbook	Industrial Technology	Drafting & Design Technology
Band	Sociology	Psychology
Honors Economics	Math Analysis/Trigonometry	Honors Calculus
Honors Physics	Floriculture	Landscaping & Nursery Operations
Music & Technology	Choir	Physical Education
Web Design	Marketing	Computer Applications
Photoshop	Advertising	Graphic Design
Intro to Philosophy		

Occupations in this career path may include:

Broadcast Technician	Architect
Composer	Commercial Artist
Interpreter & Translator	Designer
Public Relations Specialist	Graphic Artist (Visual Artist)
Reporter & Correspondent	Fashion Designer
Technical Writer	Florist
Writer & Editor	Industrial Designer
Actors, Director & Producer	Interior Decorator
Dancer & Choreographer	Jeweler
Model	Merchandise Display Worker
Musician	Motion Picture Projectionist
Horticulturist	Sign Painter
Radio & TV Announcer/Newscaster	Photographer & Camera Operator

BUSINESS, MANAGEMENT, & TECHNOLOGY

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

*Do you like being a leader, organizing people, planning activities for others and talking with important people? Do you like working with numbers or ideas, like to carry through an idea and see the end product, like to know what is expected of you, and like things around you to be neat and orderly?
This may be for you!*

The following classes will help support the exploration and preparation for a career in Business, Management, & Technology:

Personal Finance	Computer Applications
Web Design	Graphic Design
Business Management	Business & Personal Law
Accounting I	Honors Accounting II
Entrepreneurship	Marketing
Business Technology	Foundations of Business
Photoshop	Expression Through Multimedia
Apparel, Textiles & Fashion	Housing Environments & Design
English Language Arts I, II, III	Foreign Language (two years)
Video Production I & II	Physical Education
Techniques of Writing	Speech I & II
Honors Economics	Senior Composition & Research
Sociology	Psychology
Honors Calculus	Math Analysis/Trigonometry

Occupations in this career path may include:

Accountant & Auditor	Retail Sales	Bank Teller
Building Manager	Stock Broker	Billing Clerk
Budget Analysis	Travel Agent	Computer Operator
City Manager	Actuary	Court Clerk
Credit Manager	Computer Systems Analysis	Court Reporter
Postmaster & Mail Supt.	Computer Programmer	Data Entry Operator
Property & Real Estate Mgr.	Cost Estimator	Dispatcher
Purchasing Agent & Mgr.	Economics & Marketing	File Clerk
Cashier	Research Analysis	Postal Clerk
Real Estate Agent/Broker	Mathematician	Receptionist
Shipping & Receiving Clerk	Statistician	Secretary
Personnel, Training & Labor Relations Specialist	Underwriter	Adjuster, Investigator and Collector

HEALTH SERVICES

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

*Do you like helping people who are sick or helping people stay well? Are you interested in new diseases and how the body works? Do you like observing people and looking for changes in how they are doing?
This may be the career path for you!*

The following classes will help support the exploration and preparation for a career in Health Services:

Computer Applications	Foreign Language (two years)
Honors Business & Personal Law	Accounting I
General Foods	Nutrition & Wellness
International Foods	Child Development I & II
Health Sciences I & II (Career Center)	English Language Arts I, II, III
Speech I & II	Personal Fitness/Wellness
Math Analysis/Trigonometry	Biology II
Chemistry	Anatomy & Physiology
Honors Physics	Sociology
Health	Genetics
Biotechnology	Psychology
Band	Choir
PLTW Human Body Systems	PLTW Principles of Biomedical Science
PLTW Biomedical Innovation	PLTW Medical Interventions

Occupations in this career path may include:

Activities Therapist	Dental Assistant	Dental Lab Technician
Ambulance Attendant	Home Health Aide	Radiology Technologist
Dietician & Nutritionist	Medical Assisting	Dialysis Technician
Occupational Therapist	Chiropractor	Dispensing Optician
Occupation Therapy Assistant	Nursing Aide & Psychiatric Aide	EEG Technologist
Optometric Assistant	Optician	Emergency Medical Technician
Pharmacist	Optometrist	Industrial Hygienist
Physical Therapist	Physician	Licenses Practical Nurse
Physician Assistant	Podiatrist	Medical Records Technician
Recreational Therapist	Registered Nurse	Nuclear Medicine Technician
Respiratory Therapist	Dental Hygienist	Ophthalmic Laboratory Tech
Pathologist & Audiologist	Ultrasound Technologist	Clinical Laboratory Technician
Music Therapist		Surgical Technician

HUMAN SERVICES

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

Are you friendly, open, outgoing, understanding, and cooperative? Do you like to work with people to help solve problems? Is it important to you to do something that makes things better for other people? This may be the career path for you!

The following classes will help support the exploration and preparation for a career in Human Services:

Art I	Computer Applications	Child Development I & II
Personal Finance	Nutrition & Wellness	International Foods
Leadership in FCS	Interpersonal Relationships	Housing Environments & Design
Career Pathways to the Teaching Professions		Practicum in Teaching Pathways
Foreign Language (two years)	Honors Library Practicum I & II	
Math Analysis/Trigonometry	Biology II	Sociology
Psychology	Chemistry	Contemporary Issues
Honors Economics	Debate & Forensics	Honors Business & Personal Law
English Language Arts I, II, III	Speech I & II	Physical Education Classes
A+ Tutoring	Air Force ROTC	Conservation & Natural Resources
Health Sciences (Career Center)		

Occupations in this career path may include:

Court Administrator	Library Technician	Funeral Director
Lawyer & Judge	Preschool Worker	Housekeeper
Correction Officer	Secondary School Teacher	Janitor & Custodian
Firefighter	Special Educ. Teacher	Pest Control
Clergy	Teacher Aide	Refuse Collector
Minister, Rabbi, Priest	Chef & Cook	Service Station Attendant
Religious Worker	Food & Beverage Service	Upholsterer
Adult Education Teacher	Meat Cutter	Aircraft Pilot
Archivist & Curator	Human Services Worker	Air Traffic Controller
College Faculty	Marriage Counselor	Bus Driver
Counselor	Social Workers	Rail Transportation
Librarian	Social Service Aide	Truck Driver
Police, Detectives & Special Agent	Substance Abuse Counselor	Recreation Attendant
Kindergarten & Elementary Teacher	Vocational Rehab Counselor	Recreation Worker
Guard	Barber & Cosmetologist	Psychologist
	Child Care Worker	Sociologist
	Flight Attendant	

INDUSTRIAL AND ENGINEERING TECHNOLOGY

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

Are you mechanically inclined, practical, like to use your hands and build things, and like to know how things work?

This may be the career path for you!

The following classes will help support the exploration and preparation for a career in Industrial and Engineering Technology:

Art I & II	Senior Portfolio	Computer Applications
Industrial Technology	Drafting & Design Technology	Algebra II
Math Analysis/Trigonometry	Geometry	Honors Calculus
Ag. Construction I & II	Small Engine Repair	Ag. Structures
Biology	Chemistry	Honors Physics
English Language Arts I, II, III		Speech I
Construction Technology (Career Center)		Computer Technologies (Career Center)
Auto Collision Technology (Career Center)		Auto Service Technology (Career Center)

Occupations in this career may include:

Aerospace Engineer	Industrial Machinery Repair	Electrician
Chemical Engineer	Line Installer/Cable Splicer	Engineering Technician
Civil Engineer	Musical Equipment Repair	Forklift Operator
Electrical Engineer	Robotics Technician	Glazier
Industrial Engineer	Small Engine Repair	Highway Maint. Worker
Mechanical Engineer	TV & Radio Repair	Insulation Worker
Nuclear Engineer	Vending Machine Services	Painter & Paperhanger
Petroleum Engineer	Boilermakers	Plasterer
Aircraft Mechanic	Machinist	Plumber & Pipefitters
Alarm System Installer	Tool & Die Maker	Roofer
Automotive Body Repair	Welder	Sheetmetal Worker
Automotive Mechanic	Printing Press Operator	Electric Power Generating Operator
Biomedical Technician	Bindery Worker	Stationary Engineer
Computer Service Tech.	Pre Press Worker	Water Treatment Plant Worker
Diesel Mechanic	Bricklayer	Broadcast Technician
Electronic Equip. Repair	Bulldozer Operator	Drafting
Farm Equip. Mechanic	Carpenter	Engineering Technician
Heating/Air Condition Repair	Home Appliance Repair	Surveyor
	Drywall Worker	
	Carpet Installer	

NATURAL RESOURCES

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

*Are you a nature lover, practical, curious about the physical world, interested in plants and animals, like to be physically active? Do you like to observe, learn, investigate, or solve problems?
This career path may be for you!*

The following classes will help support the exploration and preparation for a career in Natural Resources:

Art I	Photography	Computer Applications
Industrial Technology	Drafting & Design Technology	Biotechnology
Ag. Construction I & II	Small Engine Repair	Conservation & Natural Resources
Biology I & II	Chemistry I & II	Honors Physics
Earth Science	Ag Science I & II	Contemporary Issues
Landscaping & Nursery Operations		Floriculture
Greenhouse Operation & Management		Adv. Animal Science
Equine Science	Geometry	Speech I
Foreign Language (two years)	English Language Arts I, II, III	

Occupations in this career path may include:

Agricultural Scientist	Physicist & Astronomer
Animal Caretaker	Agriculture Engineer
Biological Scientist	Coop. Extension Service
Forester & Conservationist	Farm Operator & Manager
Veterinarian	Farm Worker
Vet Laboratory Assistant	Fish & Game Warden
Chemist	Gardener/Groundskeeper
Geologist & Geophysicist	Landscape Architect
Meteorologist	Nursery Worker
Horticulturist	

2025-26 COURSES OFFERED AT WARRENSBURG HIGH SCHOOL

(Final course offerings will depend upon course requests)

AGRICULTURE (Practical Arts) (pages 67-69)		(10½ credits)
Ag Science I	1 credit	Greenhouse Operation & Management 1 credit
Ag Science II	½ credit	Floriculture 1 credit
Biotechnology	½ credit	Landscaping & Nursery Operations 1 credit
Conservation & Natural Resources	½ credit	Agriculture Structures ½ credit
AG Business, Economics & Management	½ credit	Small Engine Repair ½ credit
Agricultural Communications & Leadership	½ credit	Agricultural Construction I 1 credit
Equine Science	½ credit	Agricultural Construction II 1 credit
Advanced Animal Science	½ credit	
ART (Fine Arts) (page 45-47)		(6 ½ credits)
Art I	1 credit	Honors Portfolio Ceramics ½ credit
Art II	1 credit	Photography ½ credit
Art History	½ credit	Advanced Photography ½ credit
Honors Portfolio Painting	½ credit	Honors Three-Dimensional Art ½ credit
Honors Portfolio Drawing	½ credit	Senior Portfolio ½ credit
Fibers	½ credit	
BUSINESS/MARKETING (Practical Arts) (pages 61-66)		(16 ½ credits)
Arrow Publishing	1 credit	Leadership in Business ½ credit
Personal Finance	½ credit	Honors Foundations of Business ½ credit
Honors Personal Finance	½ credit	Intro to Computer Science 1 credit
Photoshop	½ credit	AP Computer Science Java 1 credit
Multimedia	½ credit	
Computer Applications	½ credit	Entrepreneurship ½ credit
Honors Applied Computer Applications	½ credit	Marketing ½ credit
Accounting I	1 credit	
Honors Accounting II	1 credit	Business Management ½ credit
Web Design	½ credit	Retail 1 credit
Honors Business and Personal Law	½ credit	Advanced Retail 1 credit
Graphic Design	½ credit	School Based Enterprise: SBE 1 credit
Business Technology	½ credit	Marketing Research ½ credit
Honors Business Technology	½ credit	
ENGLISH LANGUAGE ARTS (pages 27-32)		(16 ½ credits)
English Language Arts I	1 credit	Honors Composition I ½ credit
English Language Arts II	1 credit	Senior Composition and Research ½ credit
Honors English Language Arts II	1 credit	Honors Composition II ½ credit
English Language Arts III	1 credit	Honors Introduction to Philosophy ½ credit
Honors English Language Arts III	1 credit	Creative Writing ½ credit
Career English	½ credit	Speech I ½ credit
Mythology	½ credit	Speech II ½ credit
Communication Artists	½ credit	Introduction to Debate and Forensics 1 credit
Honors English Literature	½ credit	Honors Debate I and Forensics 1 credit
Honors Introduction to Literature	½ credit	Honors Advanced Debate and Forensics 1 credit
Honors American Literature	½ credit	Honors Library Practicum I 1 credit
Techniques of Writing	½ credit	Honors Library Practicum II ½ credit

FAMILY AND CONSUMER SCIENCE (Practical Arts) (pages 59-51)		(9 ½-10 ½ credits)
Exploratory FCS	½ credit	Child Development I ½ credit
Leadership in FCS	1 credit	Child Development II ½ credit
Foods I: Nutrition and Wellness	½ credit	Apparel, Textiles & Fashion ½ credit
Foods II: International Foods:	½ credit	Housing Environments & Design ½ credit
		Advanced Design ½ credit
ProStart I & II	1-2 credit	Career Pathways to the Teaching Profession 1 credit
Interpersonal Relationships & Practicum	½ credit	
Career Explorations	1 credit	
FOREIGN LANGUAGE (pages 43-44)		(10 credits)
French I	1 credit	Spanish I 1 credit
French II	1 credit	Spanish II 1 credit
Honors French III	1 credit	Honors Spanish II 1 credit
Honors French IV	1 credit	Honors Spanish III 1 credit
Introduction to Spanish	1 credit	Honors Spanish IV 1 credit
HEALTH (pg. 59)		(½ credit)
Health and Family Education	½ credit	
INDUSTRIAL TECHNOLOGY (Practical Arts) (page 57-58)		(3 credits)
Industrial Technology	1 credit	Woods ½ credit
Drafting & Design Technology	1 credit	Home Repair ½ credit
MATHEMATICS (pages 35-38)		(10 ½ credits)
Algebra I A	1 credit	Honors Algebra II 1 credit
Algebra I B	1 credit	Math Analysis 1 credit
Algebra I	1 credit	Honors College Algebra ½ credit
Integrated Geometry	1 credit	Honors Statistics ½ credit
Geometry	1 credit	Honors Calculus 1 credit
Algebra II	1 credit	Honors College Trigonometry ½ credit
MUSIC (Fine Arts) (pages 47-50)		(11 ¾ credits)
Treble Chorus	1 credit	Beginner Piano and Ukulele ½ credit
Music and Technology	½ credit	Zero Hour Marching Band ¼ credit
Music Theory	½ credit	Band ½ credit
Honors Concert Chorale	1 credit	Honors Band ½ credit
Mixed Choir	1 credit	Concert Band ½ credit
Honors Show Choir	1 credit	Honors Symphonic Band ½ credit
Honors Show Choir	1 credit	JV Jazz Band 1 credit
Women's Show Choir	1 credit	Honors Jazz Band 1 credit
PHYSICAL EDUCATION (pages 51-52)		(4 ½ credits)
Freshman Physical Education	1 credit	Personal Fitness/Wellness ½ credit
Introduction to Personal Fitness/Wellness (Girls)	½ credit	for Athletic Performance (Boys) ½ credit
Introduction to Personal Fitness/Wellness (Boys)	½ credit	Personal Fitness/Wellness ½ credit
Personal Fitness/Wellness for Athletic Performance (Girls)	½ credit	for Physical Development (Girls) ½ credit
		Personal Fitness/Wellness ½ credit
		for Physical Development (Boys) ½ credit
		Walking for Fitness ½ credit
ROBOTICS (pages 87)		(1½ credits)
Foundations of Robotics	½ credit	Robotics Construction FRC ½ credit
Robotics Construction FTC	½ credit	

SCIENCE (pages 39-42)		(18½ credits)	
Physical Science	1 credit	Honors Chemistry I	1 credit
Biology I	1 credit	Honors Chemistry II	1 credit
Biology II	1 credit	Earth Science	1 credit
Honors Biology II	1 credit	Honors Physics I	1 credit
Genetics	½ credit	Honors Physics II	1 credit
Anatomy & Physiology	1 credit	Principles of Biology	1 credit
Honors Anatomy & Physiology	1 credit	PLTW Principles of Biomedical Science	1 credit
Principles of Chemistry	1 credit	PLTW Human Body Systems	1 credit
Chemistry I	1 credit	PLTW Medical Interventions	1 credit
		PLTW Biomedical Innovation	1 credit
SOCIAL STUDIES (pages 33-34)		(10½ credits)	
Recent American History (Gr. 9)	1 credit	Contemporary Issues	½ credit
World History	1 credit	Honors Economics	½ credit
Honors World History	1 credit	Psychology	½ credit
Recent American History (Gr. 10, 11, 12)	1 credit	AP Psychology	1 credit
Government	1 credit	Sociology	½ credit
Honors Government	1 credit	World Geography	½ credit
Honors American History	1 credit		
SPECIAL SERVICES (pages 70-72)		(16 credits)	
SS ELA I	1 credit	Functional Science	1 credit
SS ELA II	1 credit	Functional Social Studies	1 credit
SS ELA III	1 credit	Functional Vocational Skills	1 credit
Career Literacy	1 credit	Functional Daily Living Skills	1 credit
Functional ELA	1 credit	Functional Recreation and Leisure	1 credit
Integrated Math	1 credit	Functional Life Skills	1 credit
Functional Math	1 credit	Transition Lab	1 credit
Functional Science	1 credit	Career Lab	1 credit
THEATRE ARTS (Fine Arts) (page 45)		(3 ½ credits)	
Introduction to Theatre	1 credit	Competitive Theatre	½ credit
Theatre Arts I	1 credit	Advanced Theatre Arts	1 credit
OTHER ELECTIVES (Practical Arts) (page 53-57)		(9½-10 ½ credits)	
Stagecraft	½ credit	JROTC Aviation History	1 credit
Video Production I	½ credit	JROTC The Science of Flight	1 credit
Video Production II	1 credit	JROTC Exploration of Space	1 credit
A+ Tutoring	½ credit	JROTC Cadet Corps Management	1 credit
Worksite Learning	1-2 credits	JROTC Aviation Honors Ground School	1 credit
WARRENSBURG AREA CAREER CENTER (Practical Arts) (pages 73-74)		(24 credits)	
Auto Collision Technology I and II	4 credits	Computer Technologies I	4 credits
Auto Service Technology I and II	4 credits	Computer Technologies II	4 credits
Construction Technology I and II	4 credits	Health Sciences	4 credits

ENGLISH LANGUAGE ARTS

Four English Language Art credits are required for graduation. Students must take English Language Arts I, English Language Arts II, and English Language Arts III, fulfilling three credit requirements. To acquire the fourth credit, students may choose from the multiple electives offered through the English Language Arts department.

ENGLISH LANGUAGE ARTS I (1 credit) GR 9

This course includes reading and analyzing short stories, the novel, non-fiction, and drama; sentence structure; paragraph development; essay construction; grammar and mechanics; Library Media Center orientation; and speaking and listening skills.

ENGLISH LANGUAGE ARTS II (1 credit) GR 10

Prerequisite: English Language Arts I

This course includes reading and analyzing various types of literature; formal writing assignments; a more in-depth study of grammar and style while continuing practice with mechanics, vocabulary; and library research.

HONORS ENGLISH LANGUAGE ARTS II (1 credit) GR 10

Prerequisite: A- average in regular English courses and/or instructor approval

This course is writing intensive. Assignments are multiple paragraph essays, and much of the writing is connected to a literary or informative text. The expectation is that students come in to the class able to write a solid multiple-paragraph essay based on the PIE structure. Focus is on the writing process, thesis statements, development, organization, revision, and style. Major writing assignments include expository and analytical essays, including a research paper. Students are encouraged to develop personal style and voice in their writing. The course also includes the study of literary and informative texts concentrating on literary characteristics, rhetorical devices, authorial expression, and overall effectiveness. Vocabulary skills, grammar, mechanics, usage, and style will be addressed.

ENGLISH LANGUAGE ARTS III (1 credit) GR 11

Prerequisite: English Language Arts I and II

The focus of this course is for students to read and analyze the history, culture, and major writers of different eras in American Literature in order to better understand the ever-evolving American experience, character, and identity. Texts are selected from among a diverse group of authors from pre-Colonial to contemporary times and provide students with opportunities for critical thinking and writing, class discussions, and creative projects. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics.

HONORS ENGLISH LANGUAGE ARTS III (1 credit) GR 11

Prerequisite: B+ average in previously taken Honors English courses and A- average in regular English courses and/or instructor approval

Honors English Language Arts III is taught at a faster pace and in greater depth than the regular English Language Arts III. It includes the study of the historical, cultural, philosophical, and psychological significance of famous works from all American literary movements. In addition to the regular course content described in regular English Language Arts III, the class will include an in-depth approach to skill development in composition, research, analysis, problem solving, and critical thinking. Students read and respond to numerous non-fiction texts, including literary criticism, essays, and articles. Student writing may include a narrative piece, the Defend/Challenge/Qualify on-demand essay, short text analyses, rhetorical précis, poetry explication, and continued practice of the literary analysis essay format. Speaking

and listening skills are addressed through oral responses to texts, Socratic Seminar, and multimedia presentations. In addition to coursework, students will complete an independent reading project both semesters.

CAREER ENGLISH (½ credit) GR 12

This course will provide instruction in writing for obtaining employment immediately out of high school or for students planning on attending a technical school. It will help students pass technical school admission writing requirements as well as employment placement tests for mid-level positions. The overall objective of the course is to noticeably improve the technical, organizational, and conceptual writing skills of each student with a particular focus on analytical writing.

MYTHOLOGY (½ credit) GR 11, 12

This course focuses on the various mythologies, with particular emphasis on Greek and Roman. Students research gods, goddesses, heroes, philosophies, and the origin, function, and purpose of myth within societal values and rituals. This course illustrates the influence of mythology on the art, literature, and culture of the modern world through incorporation of daily reading and writing assignments along with quizzes, tests, technology-based projects, and oral presentations.

COMMUNICATION ARTISTS (½ credit) GR 11, 12

This course introduces students to the basics of film analysis, visual literacy, cinematic formal elements, genre, and narrative structure and helps students develop the skills to recognize, analyze, describe, and enjoy film as an art and entertainment form. To understand how films are constructed to make meaning and engage audiences, students will be introduced to the basic “building blocks” and formal elements (narrative, mise-en-scene, cinematography, sound and editing) that make up the film as well as some fundamental principles of analysis, genre, style, performance, and storytelling. The class includes weekly assignments, screenings, and group projects.

HONORS ENGLISH LITERATURE - SFCC Dual Credit Available (LIT 109) (½ credit) GR 11, 12

Prerequisite: B+ average in previously taken honors English courses and A- average in regular English courses and/or instructor approval

Prerequisite for Dual Credit: 3.0 GPA and 18 on English section of the ACT, maintain an overall GPA of 3.0 on a 4.0 scale, complete the entire semester of Honors English Literature, and pay tuition and fees required by SFCC.

This is a chronologically based, accelerated survey course covering major periods and writers in British literature. It emphasizes the writers’ positions in history and the explication of their major works. It is an intensive study requiring careful reading, thoughtful discussion, and various forms of writing. The writing emphasizes essay test proficiency and formal literary analysis. The class is meant for those who intend to pursue further literary study. It includes such works as *Beowulf* and *MacBeth* and authors as Chaucer, Shakespeare, Milton, Swift, Pope, Wordsworth, Byron, and Browning. Enrollment in this class can be concurrent with enrollment in English Language Arts III.

HONORS INTRODUCTION TO LITERATURE - SFCC Dual Credit Available (LIT 101)

(½ credit) GR 11, 12

Offered 1st semester only

Prerequisite: B+ average in previously taken honors English courses and A- average in regular English courses and/or instructor approval

Prerequisite for Dual Credit: 3.0 GPA and 18 on English section of ACT, maintain an overall GPA of 3.0 on a 4.0 scale, complete the entire semester of Introduction to Literature, and pay tuition and fees as required by SFCC.

Honors Introduction to Literature is an English Arts elective. The course introduces genres of fiction, poetry, and drama as well as the terminology used in literary analysis. Introduction to literature improves reading, analysis, and critical thinking skills.

HONORS AMERICAN LITERATURE – SFCC Dual Credit Available (Lit 107) (½ credit) GR 11, 12

Prerequisite: B+ in previously taken honors English courses and A- average in regular English courses and/or instructor approval

Prerequisite for Dual Credit: 3.0 GPA and 18 or higher on English section of the ACT, maintain an overall GPA of 3.0 on a 4.0 scale, complete the entire semester of Introduction to Literature, and pay tuition and fees as required by SFCC.

This course is a thematic study of major American authors and works from Colonial Period to the present, and emphasizes the development of concepts that have shaped American life and literature. This is an opportunity to further study American literature at the collegiate level. While students will be exposed to the same literary eras and movements as they were in Communication Arts III, they will study new works and their authors, taking the depth of analysis to a higher level.

TECHNIQUES OF WRITING (½ credit) GR 12

Prerequisite: English Language Arts III

This course is an intensive college preparatory writing course designed to teach the types of formal, expository writing required in basic college courses. Included is a unit to prepare students for the college and scholarship application process. Special emphasis is given to organization, grammar, style, and mechanics. This class is a prerequisite for Senior Composition and Research.

HONORS COMPOSITION I – UCM Dual Credit Available (ENGL 1020) (½ credit) GR 12

Prerequisites: B+ average in previously taken honors English courses and A- average in regular English Courses and/or instructor approval

Prerequisite for Dual Credit: 3.0 GPA and 18 on English Section of ACT

This college-level writing course is designed with the goal of increasing student confidence and competence in writing clear and complex academic essays. Coursework focuses on making purposeful choices at every level of writing, including using rhetoric effectively, establishing and controlling academic tone and voice, organizing essays and paragraphs logically, and using diction, syntax, and punctuation to convey precise meaning. Students will write various types of essays. The course also involves analyzing samples of good writing, including short essays, to develop students' abilities to identify and explain the components of effective writing. Additionally, online independent work is required, including online grammar exercises and assessments and online discussion board posts. Coursework is graded with college-level expectations, and a high degree of student participation and responsibility is expected. This course is a prerequisite to Honors Composition II.

HONORS COMPOSITION I – SFCC Dual Credit Available (ENGL 101) (½ credit) GR 12

Prerequisite: B+ average in previously taken Honors English courses and A- average in Regular English courses and/or instructor approval

Prerequisite for Dual Credit: 3.0 GPA and 18 on English Section of ACT

This college-level writing course is designed with the goal of increasing student confidence and competence in writing clear and complex academic essays. Coursework focuses on making purposeful choices at every level of writing, including using rhetoric effectively, establishing and controlling academic tone and voice, organizing essays and paragraphs logically, and using diction, syntax, and punctuation to convey precise meaning. Students will write various types of essays. The course also involves analyzing samples of good writing, including short essays, to develop students' abilities to identify and explain the components of effective writing. Additionally, online independent work is

required, including online grammar exercises and assessments and online discussion board posts. Coursework is graded with college-level expectations, and a high degree of student participation and responsibility is expected. This course is a prerequisite to Honors Composition II.

SENIOR COMPOSITION AND RESEARCH (½ credit) GR 12

Prerequisite: Techniques of Writing Credit

This is an intensive college preparatory writing course designed to teach research components. Emphasis will be on using MLA style, researching reliable sources, incorporating research in writing, and citing sources. Students will write article reviews, a research paper, and an annotated bibliography. An overview of APA style will also be provided.

HONORS COMPOSITION II – UCM Dual Credit Available (ENGL 1030) (½ credit) GR 12

Prerequisite: C or higher in honors Composition I and/or instructor approval

Prerequisite for Dual Credit: 3.0 GPA and 18 on English Section of the ACT

This college-level writing course is designed with the goal of increasing student confidence and competence in writing clear and complex argument essays that include academic and scholarly sources to support the student writer's claims. Additionally, lessons will focus on further development of academic tone and structure in writing. Coursework moves students through the research-based writing process including finding and evaluating academic sources, summarizing, paraphrasing, quoting, and integrating sources into essays. Students will write research-based essays as well as annotated bibliographies and summary-analysis papers. The course also includes a research presentation. In addition to writing requirements, students will read and respond to a variety of model essays over controversial topics. The course will include an online component such as participation in discussion boards and independent grammar work. Coursework is graded with college-level expectations. A high degree of student participation and responsibility is expected.

HONORS COMPOSITION II – SFCC Dual Credit Available (ENGL 102) (½ credit) GR 12

Prerequisite: C or higher in honors Composition I and/or instructor approval

Prerequisite for Dual Credit: 3.0 GPA and 18 on English Section of the ACT

This college-level writing course is designed with the goal of increasing student confidence and competence in writing clear and complex argument essays that include academic and scholarly sources to support the student writer's claims. Additionally, lessons will focus on further development of academic tone and structure in writing. Coursework moves students through the research-based writing process including finding and evaluating academic sources, summarizing, paraphrasing, quoting, and integrating sources into essays. Students will write research-based essays as well as annotated bibliographies and summary-analysis papers. The course also includes a research presentation. In addition to writing requirements, students will read and respond to a variety of model essays over controversial topics. The course will include an online component such as participation in discussion boards and independent grammar work. Coursework is graded with college-level expectations. A high degree of student participation and responsibility is expected.

HONORS INTRODUCTION TO PHILOSOPHY (½ credit) GR 11, 12

Prerequisites: B+ average in previously taken honors English courses and A- average in regular English courses and/or instructor approval

Introduction to Philosophy offers a space for students to explore the questions and topics people have pondered for centuries, such as how we know what we know, whether we can prove the existence of a god, the nature of art and artists, how to determine right from wrong, and the best way to govern civilizations. Along with an introduction to formal logic and philosophical terminology, the class emphasizes critical thinking and close reading. Students will learn how to approach reading, interpreting,

and analyzing difficult philosophical texts and will formulate their own written arguments in response to the readings. Students interested in taking the course should enjoy exploring complex ideas through discussion and close-reading as well as have an openness to considering new ideas.

CREATIVE WRITING (½ credit) GR 11, 12

Prerequisites: English Language Arts I and II

Creative writing will encourage student writers to polish their craft and to become analytical thinkers, readers, and writers. With its emphasis on literary elements and structure, creative writing shows how language and techniques cross genres and allow students to develop their own creative voice through various writing projects. Students will be given the opportunity to develop their writing talents by studying and creating works including creative non-fiction, fiction, poetry, etc. Students will also use their speaking and listening skills to share and evaluate their writing. Students will be graded on ability, creativity, and responsibility. Writing assignments and number of assignments given per week will vary.

SPEECH I (½ credit) GR 9, 10, 11

This basic public speaking course is designed to offer the beginning speaker a number of opportunities to organize and prepare public speaking assignments. The speaker will stand in front of a live audience and present his/her practiced performance. Students will learn about the role of communication in our lives, delivery styles, research, effectiveness of language, gestures, and organization techniques.

SPEECH I – SFCC Dual Credit Option (½ credit) GR 10, 11, 12

Prerequisite for Dual Credit: 3.0 GPA for all grade levels, 10th grade – instructor approval.

This general education public speaking course is designed to offer the beginning speaker opportunities to organize and prepare public speaking assignments while earning college credit. The speaker will stand in front of a live audience and present his/her practiced performance. Students will learn about the role of communication in our lives, delivery styles, research, effectiveness of language, gestures, and organization techniques.

SPEECH II (½ credit) GR 9, 10, 11, 12

Prerequisite: Speech I

Building on the skills developed in Speech I, this course introduces the student to multiple aspects of communication including small group proposals, oral interpretation of literature, and beginning debate. Most projects require collaboration with partners and groups. This course gives students practical experience through a variety of collaborative presentations in front of an audience. Students should be prepared to conduct research, defend their positions on various debate topics, and express themselves creatively.

INTRODUCTION TO DEBATE AND FORENSICS (1 credit) GR 9, 10, 11, 12

Prerequisite: B or better in most recent English Language Arts class

For students who have **not** taken Speech I

Semester I of the course is designed as an **accelerated** version of Speech I and II. Semester II of the course is designed to prepare students for competitive speaking, performing, and debating. This course is meant for students who excel in English Language Arts classes and provides the ‘fast track’ to competitive speech and debate. This course introduces the beginning speech student to multiple aspects of communication including public speaking, oral interpretation of literature, and beginning debate. Opportunity for contest competition may begin in late Semester I.

HONORS DEBATE I AND FORENSICS (1 credit) GR 10, 11, 12

Prerequisite: B- or better in Speech I (B- or better in Speech II if taken)

For students who have successfully completed Speech I (and possibly Speech II)

This course includes basic debate theory and practice, forensics (storytelling, dramatic interpretation, humorous interpretation, poetry, prose, and duet acting), and public speaking events. This class is designed to prepare students for competitive speaking, performing, and debating. This course offers the opportunity for contest competition beginning in fall semester.

HONORS ADVANCED DEBATE AND FORENSICS – SFCC Dual Credit Option (1 credit) GR 10, 11, 12

Prerequisite: B in Honors Debate I and Forensics OR Introduction to Debate and Forensics

For students who have successfully completed *Debate and Forensics* OR *Introduction to Debate and Forensics*

This course includes advanced debate theory and practice, forensics (storytelling, dramatic interpretation, humorous interpretation, poetry, prose, and duet acting), and public speaking events. This class is designed for competitive speaking, performing, and debating. Contest competition is the primary focus of this course.

HONORS LIBRARY PRACTICUM I (1 credit) GR 11, 12

Prerequisite: Approval of Librarian

This course includes work-service to library patrons; getting acquainted with the library; working with electronic database and other electronic resources; gaining a library-related vocabulary; using special library reference sources; evaluating a book and writing book critiques; creating bulletin boards and book jackets; selecting books for high school library; and processing books from acquisition to shelves.

HONORS LIBRARY PRACTICUM II (½ credit) GR 12

Prerequisite: Completion of Library Practicum I with grade of B+ or above and approval of Librarian.

Reinforces and develops skills in time management and library routine procedures acquired in Practicum I. This course includes activities selected from the following: study and practice in repair of materials; peer training; collection evaluation and weeding; research and development of bibliographies; study of content of a college reference collection, electronic information sources, and research papers including design and production of multimedia presentations. Recommended for seniors who have shown interest and demonstrated skill in Practicum I. This course can be taken for a second semester with instructor consent.

SOCIAL STUDIES

Three credits in this area are required for graduation. Recent American History, World History, and Government meet these requirements.

RECENT AMERICAN HISTORY (1 credit) GR 9

The focus of this course is for the student to understand, develop, and use primary and secondary sources, historical thinking, and analysis through the study of world history since 1200 CE using the frames of communities, networks, and production distribution.

WORLD HISTORY (1 credit) GR 10

The focus of this course is for the student to understand, develop, and use primary and secondary sources, historical thinking, and analysis through the study of human cultures, interaction, government, and social structures by exploring the modern history of the world from the Industrial Revolution to the present.

HONORS WORLD HISTORY (1 credit) GR 10

Prerequisite: B+ average in Social Studies and English Language Arts I or instructor approval

This course is a rigorous version of World History that meets the same requirements. The topics will be similar to those in World History but more in-depth and at a faster pace with an emphasis on primary and secondary sources. Historical inquiry and analysis require students to read, comprehend, and analyze multiple text independently.

RECENT AMERICAN HISTORY (1 credit) GR 10, 11, 12

The focus of this course is for the student to understand, develop, and use primary and secondary sources, historical thinking, and analysis through the study of human culture, interaction, government, and social structures by exploring the history of the United States since 1860.

GOVERNMENT (1 credit) GR 11

The focus of this course is for the student using the tools of social science inquiry to understand and apply political concepts and themes through the study of the historical foundations and structures of the United States government and the government in action.

HONORS GOVERNMENT – UCM Dual Credit Available (POLS 1500/POLS 1510) (1 credit)

Gr 11, 12

Prerequisite: B average in Social Studies and English Language Arts II or instructor approval

Prerequisite for Dual Credit: 3.0 GPA

The purpose of this course is to introduce the student to the issues, processes, and tools essential for the study of politics. The focus of the course is for the student to understand and apply political concepts and themes to government and political systems around the world (first semester) and the United States directly (second semester). This course may be taken for dual credit through the University of Central Missouri (POLS 1500 – First Semester and POLS 1510 – Second Semester).

HONORS AMERICAN HISTORY – UCM Dual Credit Available (HIST 1350/1351) (1 credit)

GR 11, 12

Prerequisite: B average in Social Studies and English Language Arts II or instructor approval

Prerequisite for Dual Credit: 3.0 GPA

This course will study American history from early European settlement to the present. There will be an emphasis on an in-depth understanding of the topics through primary and secondary sources and historical analysis skills.

CONTEMPORARY ISSUES (½ credit) GR 10, 11, 12

The focus of this course is for the student to understand current domestic and foreign policy issues through investigative looks at a wide range of media.

HONORS ECONOMICS (½ credit) GR 11, 12

Prerequisite: B+ average in Social Studies or instructor approval

The focus of this course is for the student to understand and apply the principles of economics that pertain to the functions of individual economic decision maker through the study of product and factor markets, distribution of income, and the role of the government in promoting greater efficiency and equality in the economy.

PSYCHOLOGY (½ credit) GR 11, 12

The focus of this course is for the student to understand and apply psychological theories, concepts, and phenomena through the study of human behavior and mental processes associated with the biological bases of behavior, learning and cognition, and the treatment of abnormal behavior.

AP PSYCHOLOGY (1 credit) GR 11, 12

Prerequisite: B+ average in Social Studies or instructor approval

This course is a rigorous version of Psychology that meets the same requirements. The course will study the psychologist and studies that have shaped the field and employ psychological research methods.

SOCIOLOGY (½ credit) GR 11, 12

The focus of this course is for the student to understand and apply sociological theories, concepts, and phenomena through the study of human relationships and institutions associated with shared beliefs of a common culture; divisions of race and social class; and social and state institutions.

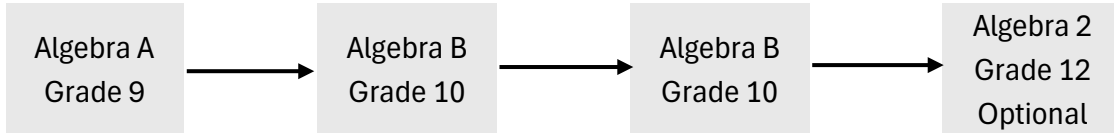
WORLD GEOGRAPHY (½ credit) GR 9, 10

The focus of this course is for the student to understand, develop, and use the perspectives, themes, and concepts of geography through the study of human systems of culture, politics, economics, and population.

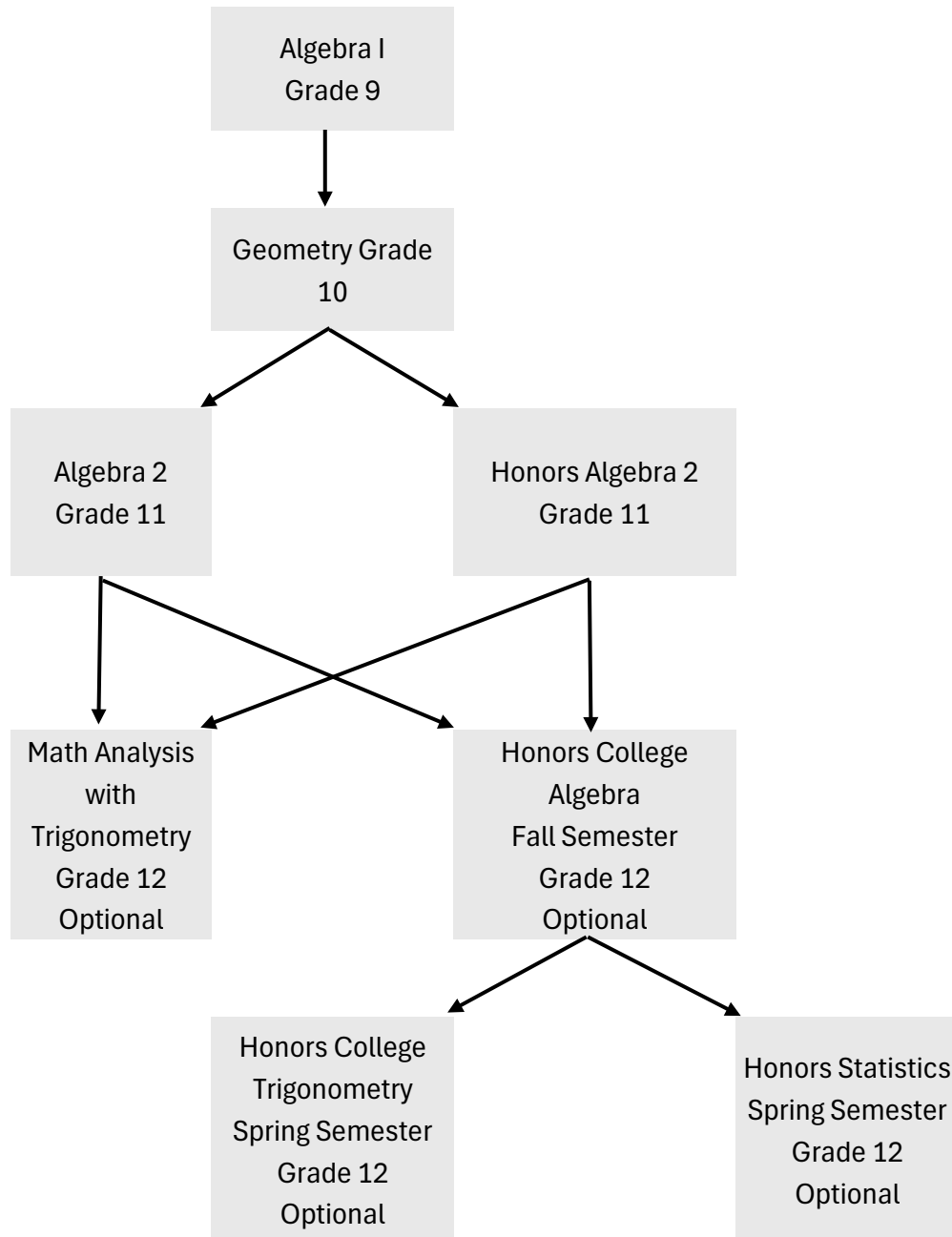
MATHEMATICS

Three credits of math are required for graduation.

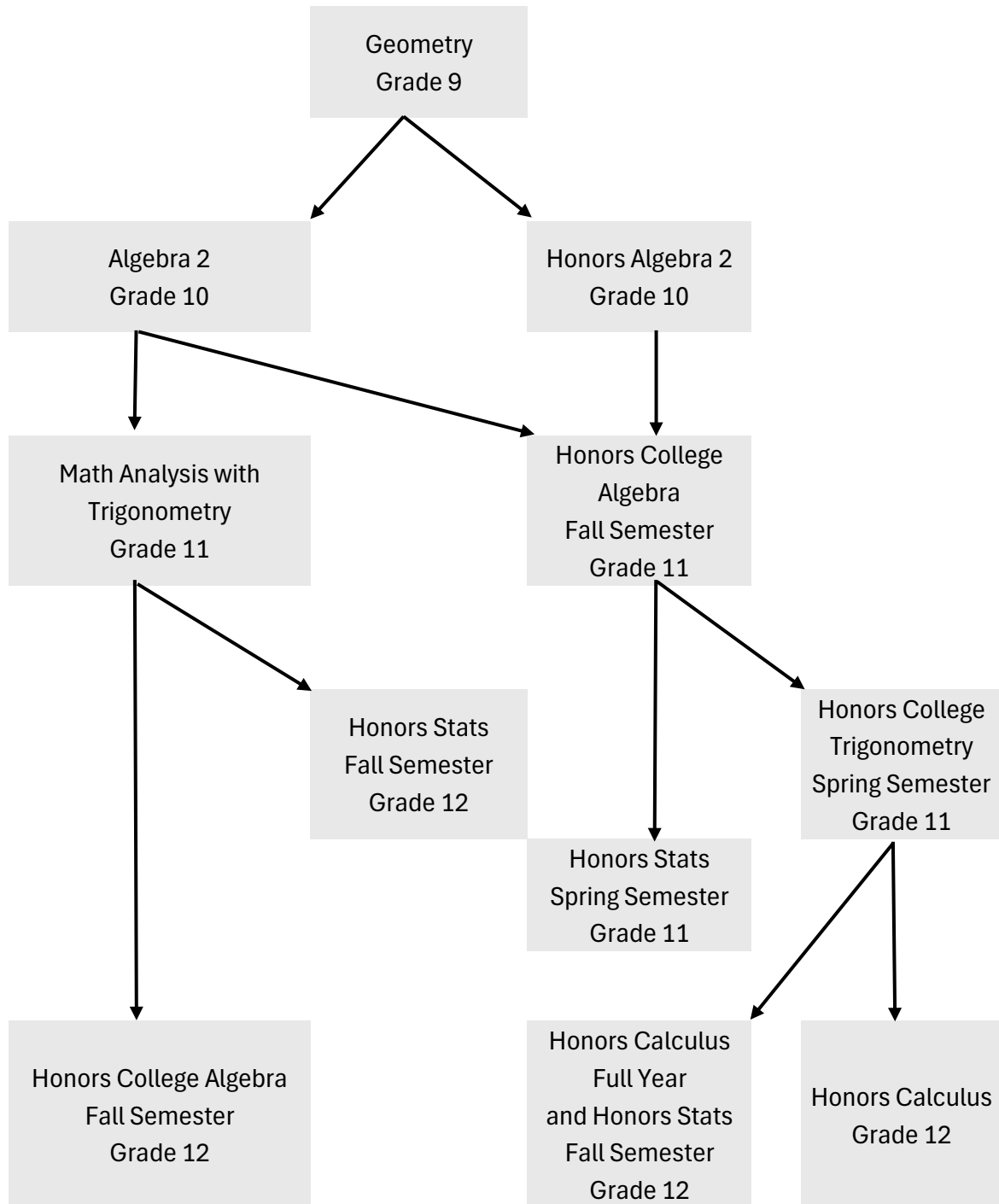
Algebra A Course Path



Algebra I Course Path



Geometry Course Path



ALGEBRA I A (1 credit) GR 9, 10, 11, 12

Development of the four basic operations with algebraic expressions, the real number system and its properties, use of correct mathematical language, application of algebraic concepts in word problems, linear graphing, solutions of linear equations. The first semester of Algebra I is taught this year for students who need more time to understand the development of algebraic concepts.

ALGEBRA I B (1 credit) GR 10, 11, 12

Prerequisite: Algebra I A or first semester Algebra I or instructor approval

Introduce relations and functions, inequalities, systems of linear equations, introductory geometric concepts, and quadratic equations. The second semester of Algebra I is taught to complete the student understanding of algebraic concepts.

ALGEBRA I (1 credit) GR 9, 10, 11, 12

Prerequisite: Math 8

Development of the four basic operations with algebraic expressions, the real number system and its properties, use of correct mathematical language, relations and functions, applications of algebraic concepts in word problems, graphing, solutions of linear equations, inequalities, systems of linear equations, and quadratic equations.

INTEGRATED GEOMETRY (1 credit) GR 11, 12

Prerequisite: Algebra I B or instructor approval

Development of the basic techniques of logical inference and study of geometric figures in the plane from a Euclidian approach, introduction of quadratic, exponential, and linear functions as well as probability.

GEOMETRY (1 credit) GR 9, 10, 11, 12

Prerequisite: Algebra I or instructor approval
instructor approval

Development of the basic techniques of logical inference and the study of geometric figures in the plane and in space from an Euclidean approach. Topics include lines, planes, polygonal regions, solids, and circles with an emphasis on similarity and congruence.

ALGEBRA II (1 credit) GR 10, 11, 12

Prerequisite: Algebra I and Geometry or instructor approval

This is a review and extension of Algebra I within the set of real numbers. Topics include complex numbers, functions, logarithms, exponents, and polynomial graphing.

HONORS ALGEBRA II (1 credit) GR 10, 11, 12

Prerequisite: Algebra I and Geometry (successful completion within grade range of B+ to A in each course) or instructor approval

This course is an extension of elementary algebra within the set of real numbers (minimum review). In addition to the course content described in Algebra II, the following topics will be added: permutations, combinations, probability, advanced graphing, advanced work with functions, conic sections, and matrices.

MATH ANALYSIS (1 credit) GR 11, 12

Prerequisite: 1 credit each in Geometry and Algebra II or Honors Algebra II or instructor approval This course is a review of Algebra and Coordinate Geometry in addition to functions, polynomials, logarithms, and exponentials. This course will also cover an introduction to Trigonometry (trigonometric functions

and applications) as well as basic Statistics topics and concepts (techniques for collecting/analyzing data, drawing conclusions and making predictions based on data). This course may not be taken for dual credit.

HONORS COLLEGE ALGEBRA – UCM Dual Credit Available (MATH 1111- offered 1st Semester only, see dual credit placement guide to determine eligibility (½ credit) GR 11, 12

Prerequisite: 1 unit of credit each in Geometry and Algebra II or Honors Algebra r instructor approval
The course covers advanced topics in functions, polynomials, exponential and logarithmic functions, solving systems of equations and introductory matrices.

HONORS COLLEGE TRIGONOMETRY - UCM Dual Credit Course (MATH 1112 offered 2nd Semester only, see dual credit placement guide to determine eligibility. (½ credit) GR 11, 12

Prerequisite: successful completion of Honors College Algebra or instructor approval.
The course will cover topics in trigonometry including evaluating trigonometric functions, graphing trigonometric functions, applications of trigonometric functions, verifying trigonometric identities, solving equations involving trigonometric equations, law of sines, law of cosines, and introduction to vectors.

HONORS STATISTICS - UCM Dual Credit Course ACST 1300 see dual credit placement guide to determine eligibility (½ credit) GR 11, 12

Prerequisite completion of Math Analysis or Honors College Algebra or instructor approval
This course is a study of elementary statistics. Topics include descriptive statistics, basic design of surveys and experiments, inferential statistics, and tests of statistical hypothesis.

HONORS CALCULUS - UCM Dual Credit MATH 1151 and/or AP options available see dual credit placement guide to determine eligibility (1 credit) GR 12

Prerequisite: Completion of Honors College Algebra and Honors College Trigonometry.
This course will review and extend the topics of functions, analytic geometry, and limits. Other topics include continuity, derivatives and integrals with their applications, differentiation and integration, inverse logarithmic, exponential, and trigonometric functions.

SCIENCE

In order to meet graduation requirements in science, three science credits are required which must include both Biology I and Physical Science. Students may also choose the pathway of PLTW Principles of Biomedical Science concurrent with Principles of Biology and Chemistry or Physics to meet the Physical Science/Biology I graduation requirements. ***One credit of science may be earned upon completion of Health Science I or the completion of three credits of the following agriculture education courses; Ag Science I, Ag Science II, Small Engine repair, Equine Science, Advanced Animal Science, Greenhouse, Floriculture, Landscaping, Conservation, or Ag Science I & II and one of the others listed. Students taking Principles of Biomedical Science will need to take Chemistry or Physics to meet the Physical Science graduation requirement.***

PHYSICAL SCIENCE (1 credit) GR 9

This course includes the study of measurement; motion and Newton's Laws; work and energy; simple machines; Kinetic Theory and heat, atomic, and molecular structure; physical chemical and nuclear changes; electricity; and wave motion.

BIOLOGY I (1 credit) GR 10, 11, 12

This course includes a study of Scientific Method, Biochemistry, Cell Transport, Cell Structures, Cell Energy, Cell Reproduction, Protein Synthesis, Heredity, Natural Selection, Ecology, and an animal dissection. Labs are required for the course. Lab reports will be written. Labs will include using both hazardous materials (scalpels, dissecting pins, preserving chemicals, household chemicals, glassware, and hotplates) and non-hazardous materials.

BIOLOGY II (1 credit) GR 11, 12

Prerequisite: Biology I (successful completion within grade range of C to A is strongly recommended)
This course includes a quarterly study of botany, zoology, microbiology, and forensic science. Course includes outdoor lab time, a formal lab report, and at least two organism dissections. Labs will include using both hazardous materials (scalpels, dissecting pins, preserving chemicals, household chemicals, glassware, etc.) and non-hazardous materials.

HONORS BIOLOGY II (1 credit) GR 11, 12

Prerequisite: B+ average in Biology I or instructor approval

In addition to the course content for Biology II, this course will progress at a faster rate and deeper level of study. Labs will include using both hazardous materials (scalpels, dissecting pins, preserving chemicals, household chemicals, glassware, etc.) and non-hazardous materials

GENETICS (½ credit) GR 11, 12

Prerequisite: Biology I with a minimum grade of B+, or instructor approval.

This course includes discussion and examination of advanced genetics concepts: sources of genetic diversity; Mendelian and non-Mendelian inheritance; probabilities; pedigrees; DNA replication; gene expression; mutations; and genome editing.

ANATOMY AND PHYSIOLOGY (1 credit) GR 11, 12

Prerequisite: Successful completion of Biology or PLTW Principles of Biomedical Science or instructor approval.

Anatomy and Physiology is the study of the structure and function of the human body from the cellular level through each body system. This class is designed to prepare students for a college level anatomy class. Students are expected to complete a reading analysis on an assigned novel beyond the textbook.

Topics covered will include the Integumentary, Skeletal, and Cardiovascular Systems. Students will investigate the Muscular, Digestive, Endocrine, Respiratory, Lymphatic, Urinary and Reproductive Systems while performing a 12 week, college level dissection of a latex injected cat.

HONORS ANATOMY AND PHYSIOLOGY (1 credit) GR 11, 12

Prerequisite: Biology I or PLTW Principles of Biomedical Science or instructor approval.

This course is recommended for students seeking college degrees or jobs in the healthcare industry. Students will become better able to use problem solving skills, interpreting information, and making decisions about their bodies. Topics include: Histology where students will identify structures on slides while proficiently using a microscope, the Integumentary, Skeletal and Cardiovascular Systems. Students will also investigate the other body systems during a 12 week, college level dissection of a latex injected cat during second semester. In addition, Honors students will participate in a 2 week program, partnered with Health Foundations by Cerner which cultivates student awareness regarding preventable health conditions using a technology based format. This program encourages lifelong personal health and reinforces positive decisions related to health using Cerner's widely used software.

PRINCIPALS OF CHEMISTRY (1 credit) GR 10, 11, 12

Due to the content in chemistry, it is strongly recommended that a student have a strong understanding of algebra.

This course includes the study of matter, measurement and calculations, atoms, electron arrangement, chemical bonding, nomenclature, chemical equations, stoichiometry, and gas laws. Students will be expected to work in the laboratory on a regular basis and derive equations from laboratory experiments. It is essential that students have grit and are able to critically analyze and solve problems, a significant portion of learning from this course will come from errors and error analysis. The emphasis of this course is on the conceptual understanding and application of chemical concepts.

CHEMISTRY I – UCM Dual Credit Available (CHEM 1104) (1 credit) GR 11, 12

Prerequisite: Algebra I and Physical Science or Principles of Biomedical Science. Due to the rigorous content in chemistry, it is strongly recommended that a student have a B- or higher in the prerequisite courses or instructor approval

Prerequisite for Dual Credit: 3.0 GPA

Problem solving, independent thinking, and self-motivation are critical to success in this course. Students will have daily homework and reading assignments. Laboratory work will also be included. This course includes a study of matter, measurement and calculations, atoms, electron arrangement, periodic law, chemical bonding, chemical compounds and formulas, chemical equations, stoichiometry, and gas laws.

HONORS CHEMISTRY I - UCM Dual Credit Available (CHEM 1131) (1 credit) GR 11, 12

Prerequisite: Algebra I and Physical Science or Principles of Biomedical Science. Due to the rigorous content in chemistry, it is strongly recommended that a student have a B- or higher in the prerequisite courses or instructor approval

Prerequisite for Dual Credit: 3.0 GPA and 24 on Math Section of ACT

This course includes a study of matter and energy, conversion factors, SI units, significant figures, accuracy and precision, Dalton's atomic theory, atomic number, atomic symbol, mass number, isotopes, periodic table, ionic and covalent compounds, naming, mixtures and pure substances, stoichiometry, balancing chemical equations, empirical and molecular formulas, solutions, oxidation numbers, gas laws, kinetic molecular-theory, thermochemistry, waves, quantum numbers, electron configuration, orbital diagrams, orbital shapes, periodic trends, chemical bonding, octet rule, Lewis structures, resonance,

VSEPR, molecular shape, and hybridization. **This is a college level class with a college text.** Reading and studying outside of class are imperative. Formal written lab reports will also be required.

HONORS CHEMISTRY II (1 credit) GR 11, 12

Prerequisite: Chemistry I or Honors Chemistry I. Due to a rigorous content in chemistry, it is strongly recommended that a student have a grade of B- or higher in the prerequisite courses.

This course includes the study of mixtures, thermochemistry, kinetics, chemical equilibrium, acids and bases, thermodynamics, electrochemistry, organic chemistry, and others if time permits. **This is a college level class with a college text.** Reading and studying outside of class are imperative. Formal written lab reports will also be required.

EARTH SCIENCE (1 credit) GR 11, 12

Earth Science is a laboratory course emphasizing the process of scientific investigation through the study of the physical world. The course shall include a discussion of the earth, its materials, processes, history, and position in space. The course will introduce the student to the quantitative nature of knowledge and the skills of scientific investigation. Labs in this course will consist of activities that model processes experienced in the physical world.

HONORS PHYSICS I (1 credit) GR 11, 12

Prerequisite: Physical Science or Principles of Biomedical Science, Algebra I, Geometry, and Algebra II required with a minimum grade of B in each, or instructor approval consent. Algebra II may be taken concurrently. Students entering physics must be able to solve algebraic equations including those with roots and powers; graph in two dimensions; describe a plotted line in the slope intercept-form; and apply concepts of plane geometry and basic trigonometry.

This is a college level course. Reading and studying outside of the class are imperative. Formal written lab reports will also be required. This course includes a study of measurement and error, linear motion, forces, two-dimensional motirotrary and periodic motion, work, power, energy, and momentum, kinetic theory, properties of solids, liquids and gases, temperature, heat, heat transfer, and phase change.

HONORS PHYSICS II (1 credit) GR 12

Prerequisite: Credit in Honors Physics I with a minimum grade of C, or instructor approval

This is a college level course. Reading and studying outside of the class are imperative. Formal written lab reports will also be required.

This course includes the study of wave motion, sound, nature of light, reflection, refraction, diffraction, interference, optical instruments, thermodynamics, electrostatics, electrodynamics, magnetism, induction, relativity, atomic physics, nuclear physics, and orbital motion.

PRINCIPLES OF BIOLOGY (½ credit) GR 9

NOTE: Concurrent enrollment in Principles of Biomedical Science is required.

This course includes a study of Scientific Method, Heredity, Natural Selection, Ecology, and animal dissection. Additional biology topics may be included. Labs are required for the course. Lab reports will be written. Labs will include using both hazardous materials (scalpels, dissecting pins, preserving chemicals, household chemicals, glassware, and hotplates) and non-hazardous materials.

PLTW PRINCIPLES OF BIOMEDICAL SCIENCE (1 credit) GR 9

NOTE: Concurrent enrollment in Principals of Biology (½ credit) is required.

NOTE: Students taking this course will need to take Chemistry or Physics to complete the Physical Science graduation requirement.

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. Through both individual and collaborative team activities, projects, and problems, students will tackle real-world challenges faced by biomedical professionals in the field. Students will develop skills in technical documentation to represent and communicate experimental findings and solutions to problems. In addition, students will explore how connections to other disciplines such as computer science and engineering shape the future of medicine and practice collaboration techniques that will help them connect with professionals across any field. The course is a rigorous one that will require self-driven research and collaborative group work with peers. Curriculum is updated periodically and course content may vary.

PLTW HUMAN BODY SYSTEMS (1 credit) GR 10

Prerequisite: Successful completion of Principles of Biomedical Science (PBS) or Instructor approval. Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.

PLTW MEDICAL INTERVENTIONS (1 credit) GR 11

Prerequisite: Human Body Systems with a minimum grade of C, or Instructor approval.

This is an Honors credit course.

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

PLTW BIOMEDICAL INNOVATION (1 credit) GR 11, 12

Prerequisite: Medical Interventions with a minimum grade of C, or instructor approval or concurrent enrollment in Medical Interventions

This is an Honors credit course.

In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, or research institution.

FOREIGN LANGUAGE

The foreign language department suggests that if students are college bound they should consider taking a foreign language class beginning their freshman year of high school. However, if students are undecided, it is recommended that they wait until later years. The subsequent foreign language courses are sequential, which REQUIRE level I for a level II course; level II for a level III course; and level III for a level IV course.

FRENCH I (1 credit) GR 9, 10, 11, 12

Prerequisite: Grade of C+ or better in English Language Arts or instructor approval

This course is designed to introduce French language and culture to entry level students. Focus will be on building skills and confidence in the four core areas of listening, speaking, reading, and writing. Students will also learn the pronunciation system and basic grammar structures of French as they gain communicative competency. Cultural units of the Francophone world will be part of the course.

FRENCH II (1 credit) GR 10, 11, 12

Prerequisite: Recommended grade of C+ or better in 2nd semester of French I or with instructor approval

This course will continue developing the skills begun in French I. Students will increase their knowledge base of French vocabulary and grammar structures. Accurate French pronunciation will be reinforced through daily practice as students grow in their abilities to maintain short, impromptu and prepare conversations in French. Increased experience with reading and writing in French will also be a focus of this class.

HONORS FRENCH III (1 credit) GR 11, 12

Prerequisite: Strongly recommended B+ average in all French classes or instructor approval

This advanced level course will begin to prepare students for continuing their French studies at the university level. Focus will be on reinforcing all areas of accurate communication in French: the receptive skills (listening and reading) and the productive skills (speaking and writing). Emphasis will be on applying the foundations already learned and producing French in a variety of communicative situations.

HONORS FRENCH IV (1 credit) GR 12

Prerequisite: Recommended grade of B+ average or better in French III or instructor approval

This advanced level course will further prepare students to continue their French studies at the university level. Focus will be on reinforcing all areas of accurate communication in French and will continue with advanced grammar, composition, and communication using literature and cultural studies as the basis.

INTRODUCTION TO SPANISH (1 Credit) GR 9, 10

Prerequisite: Grade of C- in English Language Arts and instructor approval

(This course is not a replacement for Spanish I, students taking this class will receive pre-exposure to the Spanish I curriculum in order to be able to enroll into Spanish I)

This course is designed to introduce Spanish language and culture at an adaptive/ introductory level. The course is designed to provide exposure to Spanish I curriculum, enhance students' English reading and understanding of grammar before taking Spanish I. The course will help students to develop all four basic language skills: listening, speaking, reading and writing. Emphasis is placed in development of organizational skills and strategies to effectively continue into Spanish I course.

SPANISH I (1 credit) GR 9, 10, 11, 12

Prerequisite: Grade of C+ or better in English Language Arts or instructor approval

This course is designed to introduce Spanish language and culture to entry level students. The course is designed to develop all four basic language skills: listening, speaking, reading, and writing. Emphasis is placed on pronunciation, vocabulary building, sentence patterns. The student will develop a cultural awareness of Latin America and Spain through the course units.

SPANISH II (1 credit) GR 10, 11, 12

Prerequisite: Grade of C+ or better in 2nd semester of Spanish I or instructor approval (Grade of B or better in other English Language Arts classes is highly recommended. *(A transferring freshman with a full year of Spanish from another school may enroll in Spanish II with the approval of teacher and counselor.)*)

This course will continue developing the skills begun in Spanish I in all the four basic language skills at a more advanced level. Accurate Spanish pronunciation will be reinforced through daily practice as students grow their abilities to maintain short, impromptu and prepared conversations in Spanish. Increased experience with reading and more intensive writing in Spanish will also be a focus of this class.

HONORS SPANISH II (1 credit) GR 10, 11, 12

Prerequisite: Grade B+ or better in 2nd semester of Spanish I or with instructor approval highly recommended A- or better.

The course is designed for students who strongly plan to continue with four years of the language. This course will continue developing the skills begun in Spanish I in all the four basic language skills at a more advanced, deeper level than Spanish II. Accurate Spanish pronunciation will be reinforced through daily practice as students grow their abilities to maintain short, impromptu and prepared conversations in Spanish. Increased experience with reading and more intensive writing in Spanish will also be a focus of this class. Students will be expected to prepare and to present various reports and projects regarding Hispanic culture in Spanish. The student will engage in freestyle conversation and composition as well.

HONORS SPANISH III – UMKC Dual Credit Available (SPAN 110 Elementary Spanish I and SPAN 120 Elementary Spanish II) (1 credit) GR 11, 12

Prerequisite: Grade B+ or better in Spanish II or with instructor approval highly recommended A- or better. *(For new students to the district a letter of recommendation from the previous foreign language teacher is strongly suggested, two full years of the target language, the recommended grade and the approval of teacher and counselor.)*

This advanced level course will begin to prepare students for continuing their Spanish studies at the university level. Focus will be on reinforcing all areas of accurate communication in Spanish: the receptive skills (listening and reading) and the productive skills (speaking and writing). Emphasis will be on applying the foundations already learned and producing Spanish in a variety of communicative situations. This course concentrates on advanced grammar and composition with a focus on oral work. The course also includes intensive reading and discussion based on literary and cultural selections.

HONORS SPANISH IV – UMKC Dual Credit Available (SPAN 211 and SPAN 221) (1 credit) GR 12*

Prerequisite: Grade B+ or better in Spanish III or with instructor approval highly recommended A- or better. *(*Students new to the district may enroll in this course if they have the recommended grade and three full years of the target language.)*

This advanced level course will further prepare students to continue their Spanish studies at the university level. Focus will be on reinforcing all areas of accurate communication in Spanish and will continue with advanced grammar, advanced composition, and communication using literature and cultural studies as the basis.

FINE ARTS

One credit of Fine Arts is required for graduation.

THEATRE ARTS

INTRODUCTION TO THEATRE (1 credit) GR 9, 10, 11, 12

Students will participate in improvisation, play structure analysis, monologue performance, a short scene performance, and explore careers in theatre. This class is suited for general studies students, as well as those interested in further Theatre study.

THEATRE ARTS I (1 credit) GR 10, 11, 12

Prerequisite: Introduction to Theatre, or previous involvement in the school play or instructor approval. This course includes a study of improvisation, pantomime, play structure, use of voice and movement, acting, theatre history, technical theater, stage make-up, costuming, Readers' Theatre, and Children's Theatre.

COMPETITIVE THEATRE (½ credit) GR, 10, 11, 12 – Offered Spring Semester Only

Prerequisite: Introduction to Theatre or previous involvement in the school play or instructor approval. This is a course in which the cast and crew for the competition one-act will learn to use their previous theatre skills to compete. Students will learn to take a show from page to stage and how to adapt to competitive theatre.

ADVANCED THEATRE ARTS (1-2 credits) GR 11, 12

Prerequisite: Theatre Arts I or instructor approval

This course includes a study of script writing, acting, script analysis, classical monologue performance, and directing a one act production. Theatre Arts II is suited for serious students with emphasis on direction and more advanced subject matter. This course can be repeated.

ART

ART I (1 credit) GR 9, 10, 11, 12

This course includes a study of ceramics, color theory, design, drawing, figure, art history, and perspective. This course is suited for general studies students and focuses on basic art skills and techniques. It is likewise well suited for students planning careers in engineering related areas.

ART II (1 credit) GR 10, 11, 12

Prerequisite: Grade of C+ in Art I is recommended or instructor approval

This course includes a study of acrylics, ceramics, drawing, art history, illustration, portraiture, and watercolor. This course is suited for general studies students as well as students wanting to pursue art-related careers. Emphasis in Art II is placed on broadening the Art I experience through exposure to a variety of art media.

ART HISTORY (½ credit) GR 10, 11, 12

Prerequisite: Grade of C+ in Art I is recommended or instructor approval

This course will explore, evaluate, and critique a variety of artistic periods and artists using the Art Criticism and Art History process of evaluation. The course will cover Renaissance through today (50%) and 30% will cover other European traditions. 20% of the class will be based on small art projects that imitate a work of art in a specific genre.

HONORS PORTFOLIO PAINTING (½ credit) GR 11, 12

Prerequisite: Minimum grade of B- in Art II or instructor approval

This course includes a study of art history, watercolor, acrylic, and oil paint used in landscape, still-life, and portrait subjects. This class is suited for serious students with emphasis on expression and creative exploration within traditional media.

HONORS PORTFOLIO DRAWING (½ credit) GR 11, 12

Prerequisite: Minimum grade of B- in Art II or instructor approval

This course includes a study of art history, landscape drawing, still-life drawing, portraiture, figure drawing, and illustration. This course is suited for the serious student desiring experiences with advanced subject matter and explores a variety of drawing media.

HONORS PORTFOLIO CERAMICS (½ credit) GR 11, 12

Prerequisite: Minimum grade of B- in Art II or instructor approval

This course includes a study of art history, pottery production, clay mixing, glaze formulation and firing procedures. This course is suited for the serious student desiring a thorough understanding of the ceramics process.

PHOTOGRAPHY (½ credit) GR 11, 12

Prerequisite: Minimum grade of B- in Art 1 and or instructor approval

Camera: Students need to have daily access to a digital camera. A phone camera will work for many assignments.

This course stresses photographic composition and lighting techniques. This course will utilize digital technology to create photographic images as they relate to classical and journalistic approaches to photography. Students will learn how to utilize Photoshop to enhance, correct, and manipulate digital images.

ADVANCED PHOTOGRAPHY (½ credit) GR 11, 12

Prerequisite: Minimum grade of a B- in Basic Photography or instructor approval

Lab Fee: Students will need to pay a \$25.00 lab fee for printing ink and paper for this class.

Camera: Students need to have access to a Digital SLR Camera that can be set to a fully manual operation mode.

This course will continue to enhance concepts taught in the basic photo class. Use of directional lighting and compositional device employment in photographs will be critiqued in this course. Students will develop photographic portfolios that show an understanding of a journalistic approach to photography, a commercial application, and a side that is more creative. Emphasis will be placed on image making with the camera versus post production manipulation for the majority of the class. It will, in the creative side, give plenty of latitude to use image software to create desired special effects.

HONORS THREE-DIMENSIONAL ART (½ credit) GR 11, 12

Prerequisite: Minimum grade of B in Advanced Drawing or Art II or instructor approval

This course includes a study of various sculptural techniques including wire, plaster, found objects, and cut paper. Low relief, architecture, and subtractive sculpture will be explored. Special note: Students will need to provide some materials for projects.

FIBERS (½ credit) GR 10,11,12

Prerequisite: Minimum grade of B- in Art 1.

This course will give students an overview introduction of fiber work using natural and man-made materials. Areas of weaving, surface design, basketry, beadwork, quilting, felting and rug-

making will be explored using techniques such as batik, tie dye, coiling, knotting, stitchery, and applique. Many of the techniques can be applicable to wearable art and 3-D forms. Emphasis will be placed on creative design concepts, craftsmanship, and skillful and imaginative use of materials.

SENIOR PORTFOLIO (½ credit) GR 12

Prerequisite: Minimum grade of B- in Portfolio Drawing, Portfolio Painting, and Art I and Art II or instructor approval

This course is designed to provide students with the opportunity to pursue development in art media and techniques according to their specific interest areas. Each student works according to a schedule he/she and the instructor mutually develop. Student's grade is dependent upon his/her ability to meet personally set goals and maintain work according to schedule. Students in this class have the opportunity to work in areas of their choice including photography, fashion design, drawing, painting, cartooning, art history, etc. This course is well suited for college-bound students.

MUSIC

TREBLE CHORUS (1 credit) GR 9, 10, 11, 12

This course includes a study of sight reading, interval and identification, rhythmic notation, note value identification, harmonic structure, melodic notation, vocal technique (vowels, consonants, breathing, diction, and posture). First semester includes **two** required concert performances. Second semester includes a spring concert, and the opportunity to participate in district and state music festivals, at the discretion of the teacher.

MUSIC AND TECHNOLOGY (½ credit) GR 10, 11, 12

Prerequisite: A background in fundamentals of music will be helpful.

This course will instruct students in: the basic fundamentals of music, music notation, music history, music from different cultures and style periods, principles of sound transmission and recording, copyright law, microphones and amps, live and studio recording, music video making using digital cameras and video cameras, original songwriting, using music software programs, and instrument creation.

MUSIC THEORY (½ credit) GR 10, 11, 12

Prerequisite: Students must be a current or past member of a music ensemble (band, choir, jazz band, show choir).

This course includes a study of the fundamentals of music composition, scales, chords, note names, rhythms, forms, keys, harmonic analysis, and the study of intervals. Learning will be tailored to an individual student's knowledge of music, but a basic understanding of reading music prior to joining this class is essential.

HONORS CONCERT CHORALE (1 credit) GR 10, 11, 12

Prerequisite: Membership is by audition only.

Superior knowledge of sight-singing, basic music theory and vocal technique is required; performance of moderately difficult and difficult literature in both accompanied and unaccompanied form. A variety of musical literature from all time periods and other languages will be explored. Languages include English, Latin, Italian, German, French, and Russian. Required concerts are Fall, Winter, Pre-Festival, Spring, and other opportunities to sing for the community and school events. Students will perform as a choir at the State Music Festival. Students will compete at All District auditions, solo and ensemble festivals, and will complete three recital reports.

MIXED CHOIR (1 credit) GR 9, 10, 11, 12

For students that are not at the Concert Choir level yet but do not need to be at an entry level choir. Some knowledge of sight-singing, some music theory knowledge, and vocal technique required; performance of easy-moderately difficult literature required, both accompanied and unaccompanied. This course will prepare students for Honors Concert Choir and challenge them to grow as a vocal musician. The pace will be fast and sight reading will be more difficult. Required concerts are Fall, Winter, Pre-Festival, Spring and other opportunities to sing for the community and school events. Students will perform as a choir at the State Music Festival, and will have the opportunity to perform in solo and ensemble settings for District and State Music Festivals.

HONORS SHOW CHOIR (1 credit) GR 9, 10, 11, 12

Prerequisite: Selection by audition only. All students and parents must sign a contract of membership.

Show Choir Fee: \$275.00

Voice lessons are strongly encouraged for all students. Students selected must be enrolled in a concurrent performing arts course (i.e. students must be co-enrolled in band, another traditional choir, or have had at least one year of high school traditional choir previously.) Students can test out of this requirement by teacher permission only.

Students in the course should possess a superior knowledge of basic music theory and vocal techniques as well as physical stamina and a high degree of coordination for dance routines. Performance of moderately difficult to difficult SATB show choir, jazz choir, and chamber choir literature are performed. Chamber music literature will be performed at the State Music Festival which may include English, Latin, German, or Italian languages. Individuals may also participate as soloists or ensemble members for District and State Music Festivals. All concerts are required including Fall, Winter, Pre-Festival Concert, a Show Choir Spring Show, and performances for social and civic organizations during the school day or evenings. Competitions will be attended in the spring on weekend dates.

WOMEN'S SHOW CHOIR (1 credit) GR 9, 10, 11, 12

Prerequisite: Selection by audition only. All students and parents must sign a contract of membership.

Show Choir Fee: \$275.00

Voice lessons are strongly encouraged for all students. Students selected must be enrolled in a concurrent performing arts course. (i.e. students must be co-enrolled in band, another traditional choir, or have had at least one year of high school traditional choir previously.) Students can test out of this requirement by teacher permission only.

Superior knowledge of basic music theory and vocal technique are required as well as physical stamina and a high degree of coordination for dance routines. Performance of moderately difficult to difficult SSA and SSAA show choir, jazz choir, and chamber choir literature are performed. Chamber music literature will be performed at the State Music Festival which may include English, Latin, German, or Italian language. Individuals may also participate as soloists or ensemble members for District and State Music Festivals. All concerts are required including Fall, Winter, Pre-Festival Concert, a Show Choir Spring Show, and performances for social and civic organizations during the school day or evenings. Competitions will be attended in the spring on weekend dates.

BEGINNER PIANO AND UKULELE (1/2 credit) GR 9, 10, 11, 12

Prerequisite: None

Designed for students with NO prior piano experience

This course provides students with individualized training in basic piano/uke technique, musical notation, history, and culture. This course is designed to develop skills both individually and in small groups.

Students will have the opportunity to explore repertoire from different cultures and historical periods as they learn the basics of not reading and performance technique.

ZERO HOUR MARCHING BAND (Pass/Fail; 1/4 credit) GR 9, 10, 11, 12

Prerequisite: Successful completion of Middle School Band

Required participation for ALL band students (must be in this class to participate in other band classes).

Required participation for any student wishing to audition and participate in Winterguard.

This course will help the students in developing self-discipline, confidence, poise, and a high caliber of self and group pride, and drill design preparation. Attendance at weekly sectional rehearsals and Thursday night rehearsals is a required expectation of this class. Band camp is mandatory (before school starts).

Students dropping this class by the first day of band camp will not be assessed a \$100.00 marching band rewrite fee.

BAND – Fall Semester (½ credit) GR 9, 10, 11, 12

Prerequisite: Enrolling in ZERO HOUR marching band and admittance upon successful completion of Middle School Band.

This band will be divided into two concert bands after the conclusion of a combined concert in early December. The division will be based on audition results of the West Central All-District Band.

HONORS BAND – Fall Semester (½ credit) GR 9, 10, 11, 12

Prerequisite: Enrolling in ZERO HOUR marching band. During the previous year in band, a student must have maintained an A and/or director approval.

Honors band projects include preparing and auditioning for the West Central All-District Band and completing multiple recital reports.

CONCERT BAND – Spring Semester (½ credit) GR 9, 10, 11, 12

This course includes performance of all major and minor scales, technical studies, development of the ear, practice habits, and moderate level concert repertoire (grade 3). Students will be encouraged to participate in at least one solo or ensemble for District Contest. Students are required to attend MSHAA large ensemble contest, the Pops, pre-contest and finale concerts.

HONORS SYMPHONIC BAND – Spring Semester (½ credit) GR 9, 10, 11, 12

Prerequisite: Successful audition and participation with the West Central All-District Band and/or director approval

The student will develop advanced music reading skills, play and perform advanced repertoire (grade 4-5), prepare for various music contests, concerts, and division of the group for solos and small ensembles for District Music Contest. Each student must participate in at least one solo or small ensemble for District Contest.

JV JAZZ BAND (1 credit) GR 9, 10, 11, 12

Prerequisite: Entrance upon successful audition requirements established by band director AND MEMBERSHIP in the regular band class.

Performing different jazz styles, rhythmic studies and scales, and improvisation, are the focus of the class. Students will perform at basketball games, compete at jazz festivals, and perform in several concerts through the year.

HONORS JAZZ BAND (1 credit) GR 10, 11, 12

Prerequisite: Entrance upon successful audition requirements established by band director AND MEMBERSHIP in the regular band class.

Performing different advanced jazz styles, advanced rhythmic studies and scales, and advanced improvisation are the focus of the class. Students will compete in jazz competitions, perform several concerts, and perform at basketball games each season. Honors Jazz Band will also provide service performances as needed.

PHYSICAL EDUCATION

One credit in this area is required for graduation.

FRESHMAN PHYSICAL EDUCATION (1 credit) GR 9 Girls/Boys

Emphasis will be on daily health, fitness, and wellness activities – video workouts, weight lifting, dance, Pilates, fitness ball activities, stretching, yoga. Some team/individual activities will also be presented. These include but are not limited to flag football, soccer, floor hockey, basketball, volleyball, badminton, pickle ball, and team handball.

WALKING FOR FITNESS (½ credit) GR 9, 10, 11, 12

This course is designed for students to increase their fitness level through walking. Recent studies have shown that increasing your physical activity by a small amount can make huge gains in your health. Students will learn about the health benefits of walking and improve their health through fitness walking. Walking routes will include established campus paths, bike trail, indoor and outdoor tracks. Students must be prepared to participate fully by walking the assigned amount every class session.

INTRODUCTION TO PERSONAL FITNESS/WELLNESS (Girls) (½ credit) GR 9, 10, 11, 12

Two semesters of this course fulfills the freshman physical education requirement. This elective course is structured to emphasize total body fitness in a strength and conditioning development program. Lifting techniques will be covered as well as discussions of primary and secondary muscles used in specific lifts and physiological changes due to strength development. The course may also include power lifting techniques combined with periodization in a strength development program. A conditioning program focused on anaerobic capacity, speed, power, and flexibility will also be introduced. Students must be prepared to participate fully at each class session to build a strong muscular and endurance base. Course may be repeated once.

INTRODUCTION TO PERSONAL FITNESS/WELLNESS (BOYS) (½ credit) GR 9, 10, 11, 12

Two semesters of this course fulfills the freshman physical education requirement. This elective course is structured to emphasize total body fitness in a strength and conditioning development program. Lifting techniques will be covered as well as discussions of primary and secondary muscles used in specific lifts and physiological changes due to strength development. This course may also include power lifting techniques combined with periodization in a strength development program. A conditioning program focused on anaerobic capacity, speed, power, and flexibility will also be introduced. Students must be prepared to participate fully at each class session to build a strong muscular strength and endurance base. Course may be repeated once.

PERSONAL FITNESS/WELLNESS FOR ATHLETIC PERFORMANCE (Girls) (½ credit) GR 10, 11, 12

Prerequisite: 1 unit of Introduction to Personal Fitness/Wellness with a grade of C- or higher, or instructor approval.

This elective course is structured to build upon the fundamentals taught in Introduction to Personal Fitness/Wellness and expanded to include power lifting techniques and periodization in strength and conditioning to improve functional movement for support of the physical demands of athletic competition. A conditioning program focused on anaerobic capacity, speed, agility, power, and flexibility will complement the strength program. Students must be prepared to participate fully at each class session to perform a variety of fitness activities. Course may be repeated every semester.

PERSONAL FITNESS/WELLNESS FOR ATHLETIC PERFORMANCE (Boys) (½ credit) GR 10, 11, 12

Prerequisite: 1 unit of Introduction to Personal Fitness/Wellness with a grade of C- or higher, or instructor approval

This elective course is structured to build upon the fundamentals taught in Introduction to Personal Fitness/Wellness and expanded to include power lifting techniques and periodization in strength and conditioning to improve functional movement for support of the physical demands of athletic competition. A conditioning program focused on anaerobic capacity, speed, agility, power, and flexibility will complement the strength program. Students must be prepared to participate fully at each class session to perform a variety of fitness activities. Course may be repeated every semester.

PERSONAL FITNESS/WELLNESS FOR PHYSICAL DEVELOPMENT (Girls) (½ credit) GR 10, 11, 12

Prerequisite: 1 unit of Introduction to Personal Fitness/Wellness with a grade of C- or higher, or instructor approval

This elective course is structured to build upon the fundamentals taught in Introduction to Personal Fitness/Wellness. Students will continue to expand their knowledge of strength training while improving their physical development through muscular strength, muscular endurance, cardiovascular endurance, and flexibility. This course is designed for the high school student who wants to learn more about weight training and enjoys improving their physical health. Students must be prepared to participate fully at each class session to perform a variety of fitness activities. Course may be repeated every semester.

PERSONAL FITNESS/WELLNESS FOR PHYSICAL DEVELOPMENT (Boys) (½ credit) GR 10, 11, 12

Prerequisite: 1 unit of Introduction to Personal Fitness/Wellness with a grade of C- or higher, or instructor approval

This elective course is structured to build upon the fundamentals taught in Introduction to Personal Fitness/Wellness. Students will continue to expand their knowledge of strength training while improving their physical development through muscular strength, muscular endurance, cardiovascular endurance, and flexibility. This course is designed for the high school student who wants to learn more about weight training and enjoys improving their physical health. Students must be prepared to participate fully at each class session to perform a variety of fitness activities. Course may be repeated every semester.

PRACTICAL ARTS

One credit of Practical Arts is required for graduation.

STAGECRAFT (½ credit) GR 10, 11, 12

Prerequisite: Industrial Technology I and/or Theater I or instructor approval

Stagecraft is a technical theatre course that includes a detailed exploration into lighting design, scene design and construction, painting props, make-up, costuming, and sound. The course will require the use of power tools as students construct the set of a theatre production.

VIDEO PRODUCTION I (½ credit) GR 9, 10, 11, 12

This 18-week course introduces students to the basics of video production and editing. Students will learn to operate cameras, record sound, set up lighting, and use editing software to create finished videos. Projects will include filming interviews, producing short content, and creating original short films. The course emphasizes creativity, communication, and teamwork, with students writing, directing, shooting, and editing their own projects. Students will also be required to act in front of the camera for certain assignments. This course provides a strong foundation in video production for those interested in media.

VIDEO PRODUCTION II (1 credit) GR 10, 11, 12

Prerequisite: Video Production I and application/interview

Building upon the skills developed in Video Production 1, this course offers students an opportunity to advance their technical abilities in cinematography, editing, sound design, and advanced production techniques. Students will work collaboratively on a variety of complex projects such as short films, broadcasting, promotional content, and music videos. Emphasis will be placed on professional-level production, storytelling, and teamwork, with students writing, directing, shooting, and editing their own projects. In addition, students will be required to collaborate closely with peers, providing guidance and support while refining their creative vision. This course challenges students to push their limits and produce high-quality, polished video projects.

A+ TUTORING (½ credit) GR 12

A+ Tutoring is a service-learning program designed to aid students in elementary schools. Students will tutor in an elementary school. This course fulfills a requirement of the Warrensburg A+ Schools Program. Students will be required to provide their own transportation to and from the elementary school. This course is Pass/Fail.

WORKSITE LEARNING/CAREER EXPLORATION

Worksite Learning is a senior only course designed to provide additional and/or specialized experience for a student beyond the traditional classroom setting. Students get practical exposure to the business world, a heightened awareness of educational and career choices, real-world perspectives on the importance of education, an increase in self-esteem and motivation to succeed, an improvement of interpersonal skills, and a development of critical employment skills. An average of 7½ hours of work per week is required for each block of worksite learning. Grading is done by the employer through an extensive evaluation sheet. Grades assigned are either pass or fail. Students are expected to find and hold their own jobs that produce a valid regular pay stub within the area. Students may take a “maximum” of two blocks per semester.

AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS (JROTC)

Program Description: The Air Force Junior Reserve Officer Training Corps (AFJROTC) is a program for high school students focused on developing citizens of character dedicated to serving our nation and communities. Each year the course is divided into three categories: Aerospace Science (AS) 40%, Leadership Education (LE) 40%, and Wellness 20%. Students are provided a uniform free of charge and are required to wear the uniform once each week and must meet Air Force grooming standards. A uniform cleaning fee may be assessed if the uniform is not turned in clean and pressed at the end of the year. Books and materials are provided by the Air Force. Instructors are retired Air Force personnel who are certified in JROTC instruction. Guest speakers and field trips are included as part of the curriculum. Wellness, an official part of the Air Force Junior ROTC program, is reinforced through an exercise program focused upon individual baseline improvements with the goal of achieving or exceeding a national standard as calculated by age and gender. Students do not have any future military commitment, but ROTC scholarship opportunities are available for top-performing students. At the discretion of each military service, advanced enlistment grade credit is normally available to students completing two or more years of the program. SASI approved, students may enroll in more than one course offered during their 3rd Cadet year.

Additional JROTC Information

Cross-Town Agreement: A Cross-Town Agreement exists between Knob Noster High School and several surrounding school districts. This agreement has been established to allow students from area high schools to participate in Air Force Junior Reserve Officer Training Course classes and activities at Knob Noster High School (KNHS).

All guidelines for discipline established by the Knob Noster R-VIII Board of education or Knob Noster High school will be in effect. The SASI, with concurrence of the KNHS principal, may remove any student for failure to maintain AFJROTC standards. Disciplinary referrals will be sent to the sending high school for disposition.

Attendance is reported daily to the student’s home High School by the SASI. The SASI will report grades to the student’s home High School on the schedule required of all teachers and the grades for AFJROTC will appear on report cards, along with all other grades.

After School Activities: All students are invited and encouraged to participate in AFJROTC activities. Example of some of the Co-curricular activities offered are: Drill and color guard team competitions; Honor Guard team presenting the colors at sporting events, assemblies and others; Raider team is a highly intensity physically fit team that competes in regional and national competitions; Flight Simulator program introduces cadets to basic flight principles and flying aircraft; Cyberpatriot is a program designed to teach students to defend against cyber-attacks on computers; Marksmanship program competing against teams from across the United States through virtual meets. STEM activities such as building and competing with VEX Robots and flying and maintaining Drones.

<u>Beginning Courses</u>	<u>Intermediate Courses require a prerequisite</u>	<u>Advanced Courses require a prerequisite</u>
AS-100: Aviation History Prereq: none	AS-200: The Science of Flight Prereq: AS-100	AS-400: Cadet Corp Management Prereq: AS-200/300
	AS-300: Space Exploration Prereq: AS-100	A- 500: Aviation Honors Ground School Prereq: AS-200

Note: AS-100 is open to all students grades 9-12	Note: AS-200 & AS-300 are offered every other year. Requires SASI approval.	Note: AS-400 students must have completed 3 years of JROTC classes. Requires SASI approval.
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AVIATION HISTORY AS-100 (1 credit) GR 9, 10, 11, 12

Prerequisite: None

The aviation history course focuses on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets.

Leadership Education LE-100, Traditions, Wellness, and Foundations of Citizenship: The Leadership curriculum introduces cadets to AFJROTC and provides a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; and citizenship.

Health and Wellness: component makes up 20% of instructional time to motivate cadets to lead active healthy lifestyles beyond program requirements and into their adult lives. Cadet baselines are established using the AFJROTC Wellness Program.

THE SCIENCE OF FLIGHT AS-200 (1 credit) GR 10, 11, 12

Prerequisite: Completion of Aviation History, 1st Year Cadet Program

Note: The Science of Flight is offered to 2nd & 3rd Year JROTC Cadets every other year

This is a science course designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. This course begins with an introduction to basic aerodynamics such as the forces of lift, drag, thrust, and weight. The course then moves to discussion regarding the atmosphere and weather. After developing an understanding of the environment, how that environment affects flight is introduced. Students also learn basic navigation including map reading, course plotting, and the effects of wind. The portion on the Human Requirements of Flight is a survey course on human physiology. Discussed here are the human circulatory system, the effects of acceleration and deceleration, and protective equipment. Computer based flight simulators are used to enhance and expand knowledge gained throughout this course.

Leadership Education LE 200: Communication, Awareness and Leadership stresses communications skills and cadet corps activities. Information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches complement the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

Health and Wellness: component makes up 20% of instructional time to motivate cadets to lead active healthy lifestyles beyond program requirements and into their adult lives. Cadet baseline is established using the Presidential Fitness Challenge Program and the AFJROTC Wellness Program. This component consists of 19 exercises that target and develop all muscle groups with sufficient anaerobic and aerobic intensity.

THE EXPLORATION OF SPACE AS-300 (1 credit: ½ credit in Personal Finance and ½ credit for Elective) GR 10, 11, 12

Prerequisite: Completion of Aviation History AS-100

Note: This is offered to 2nd & 3rd year JROTC Cadets every other year

This science course includes information about space science and exploration. The course begins with the study of the space environment from the earliest days of interest in astronomy and early ideas of the heavens, through the Renaissance, and into modern astronomy. It provides a study of the Earth, Sun, Stars, Moon, and Solar System, including the terrestrial and outer planets. It discusses issues critical to travel in the upper atmosphere such as orbits and trajectories, unmanned satellites, and space probes. It investigates the importance of entering space and discusses manned and unmanned space flights, focusing on concepts surrounding spaceflight, space vehicles, launch systems, and space missions. The section on manned spaceflight focuses on the Space Shuttle, space stations, and beyond, covering milestones in the endeavor to land on the Moon and to safely orbit humans and crafts for temporary and prolonged periods. The course covers the human aspect of spaceflight, focusing on the human experience in space. It also examines the latest advances in space technology, including robotics in space, the Mars Rover, and commercial uses of space.

Leadership Education-LE-300: A Life Skills and Career Opportunities textbook is helpful to students deciding which path to take after high school. Information on how to apply for admission to college or to a vocational or technical school is included. Information on how to begin the job search is available to students who decide not to go to college or vocational school. Also available is information about financial planning and how to save, invest, and spend money wisely, as well as how not to get caught in the credit trap. Students are informed about real life issues such as understanding contracts, leases, wills, warranties, legal notices, and personal bills. Citizen responsibilities such as registering to vote, jury duty, and draft registration are also presented. For those students who may be moving into an apartment of their own, information is presented on apartment shopping and grocery shopping skills. There is information on how to prepare a résumé and the importance of good interviewing skills. If there are students who are interested in a career in the military, with the federal government, or an aerospace career, information is also provided for them.

Personal Finance (1/2 credit)

Note Provided: Every other year

Available for 2nd – 4th year cadets

Required for all students before graduation. Understanding and managing personal finances are key to one's future financial success. This one semester course is based on the Missouri Personal Finance competencies and presents essential knowledge and skills to make informed decisions about real world financial issues. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving and credit decisions and to make effective use of income to achieve personal financial success. Meets Missouri requirements for graduation.

Health and Wellness: Component makes up 20% of instructional time to motivate cadets to lead active healthy lifestyles beyond program requirements and into their adult lives. Cadet baseline is established using the AFJROTC Wellness Program.

CADET CORPS MANAGEMENT AS-400 (1 credit) GR 12

The cadets manage the entire corps during their fourth year in the JROTC program. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice. All the planning, organizing, coordinating, directing, controlling, and decision making will be accomplished by the cadets. They practice their communication, decision making, personal-interaction, managerial, and organizational skills.

Leadership Education: Principles of Management: This is the 4th course in leadership education.

This course provides exposure to the fundamentals of management. Throughout the course many ethical dilemmas, case studies, and role play activities are built into the lessons.

Aerospace Science – Survival: The Survival text is a synthesis of the basic survival information found in Air Force Regulation 64-4 Survival Training. The survival instruction will provide training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. Survival also presents “good to know” information that would be useful in any situation. The information is just as useful to an individual lost hunting or stranded in a snowstorm

Health and Wellness: component makes up 20% of instructional time to motivate cadets to lead active healthy lifestyles beyond program requirements and into their adult lives. Cadet baseline is established using the Presidential Fitness Challenge Program and the AFJROTC Wellness Program. This component consists of 19 exercises that target and develop all muscle groups with sufficient anaerobic and aerobic intensity.

AVIATION HONORS GROUND SCHOOL AS-500 (1 credit) GR 11, 12

The intent of the AHGS program is to provide AFJROTC cadets an academically challenging course for top achievers in the program. Entry into ground school should be earned by high achievement in other AFJROTC courses and involvement in the cadet corps. This course is the foundation for students interested in receiving a private pilot’s license. The material covered is an advanced, more in-depth study of aerospace topics. Aviation Honors Ground School (AHGS) is taught as the Aerospace Science component of an AFJROTC class replacing other AS curriculum for third-and fourth-year cadets only. The student must demonstrate potential and aptitude and must have successfully completed a minimum of 2 years of AFJROTC coursework to include AS 200: The Science of Flight and maintained a grade of C or better and an overall 3.0 grade point average. The course should receive “honors” (e.g., advanced) credit and must have principal approval. When the course is completed, students should be prepared to take and pass the Federal Aviation Administration (FAA) written examination per requirement of the Federal Aviation Regulations CFR 61-102, Sections 61.103 & 61.105.

INDUSTRIAL TECHNOLOGY

INDUSTRIAL TECHNOLOGY (1 credit) GR 9, 10, 11, 12

This class is a hands-on course. Major projects will be the main focus of this class. It is a basic course that studies a wide variety of areas. Introductory units in measurement, manual drafting, computer-aided drafting (CAD), woodworking, welding, metalworking, and building and designing CO2 cars will be covered. Each unit will end with the completion of a project.

WOODS (½ credit) GR10, 11, 12

Prerequisite: Industrial Technology with a C or better or instructor approval

This course will provide current information pertaining to wood products and the wood industry. Through the use of required/elective projects each student will be introduced to more advanced techniques and operations of power tools and machinery used in a modern wood shop. The student will be introduced to planning and design of a finished product, machine safety, construction of furniture, preparation for applying finishes and their application, lamination, and woodturning techniques.

DRAFTING & DESIGN TECHNOLOGY (1 credit) GR 10, 11, 12

Prerequisite: A student must obtain a C in either Geometry or Industrial Technology or instructor approval

This class will include the use of drafting equipment including manual drafting introduction to computer-aided drafting, 3D printing, CNC Router use, and application of rules and procedures utilized by industry. Students will complete a variety of individual drawings.

HOME REPAIR (½ credit) GR 11, 12

Prerequisite: Junior or Senior in standing or instructor approval

Students learn about basic house construction and how to care for mechanical systems inside a home. Students use basic hand and portable power tools to complete tasks used for normal repairs. They also complete hands-on activities in the fields of framing, residential plumbing systems, residential electrical systems, drywall hanging/finishing, architectural coatings (paint), flooring, and finish trim work.

ROBOTICS

FOUNDATIONS OF ROBOTICS (½ credit) GR 9, 10, 11, 12

This course introduces the field of robotics. Students will explore what defines a robot, the history of robotics, and how we use robots today. Students will learn the engineering process and learn about a variety of robotic mechanisms. Students will learn basic manufacturing techniques and challenges by constructing a small, posable robot figure using a variety of power tools. Students will be introduced to Block and Java programming through programming a Virtual robot. Students will be introduced to 3D Computer Aided Design (CAD) and how drawings are converted into physical objects. Students will program Romi robots in Java in small groups to negotiate a variety of predetermined courses.

ROBOTICS CONSTRUCTION FTC - Fall Semester (½ credit) GR 9, 10, 11, 12

Prerequisite: Foundations of Robotics, Previous participation in WHS Robotics club or Instructor approval
In this course, students will determine strategy, design, build, and program a FIRST Tech Challenge (FTC) Robot that implements their strategy, and then compete in FTC Meets and Championships. Out of class time is required to attend meets and Qualifiers. Students will explore basic computer programming for controlling motors and servos while interpreting data from various sensors as part of a robotics design project. Projects will require students to integrate concepts from mechanical, electrical, and materials engineering.

ROBOTICS CONSTRUCTION FRC - Spring Semester (½ credit) GR 9, 10, 11, 12

Prerequisite: Foundations of Robotics, Robotics I or Instructor approval

In this course, students will determine strategy, design, build, and program a FIRST Robotics Competition (FRC) Robot that implements their strategy, and then compete in an FRC Regional competition. Out of class time is required to attend the Regional competition and may be needed to build the robot in the timeframe available. Students will explore basic computer programming for controlling motors and servos while interpreting data from various sensors as part of a robotics design project. Projects will require students to integrate concepts from mechanical, electrical, and materials engineering.

HEALTH

HEALTH AND FAMILY EDUCATION (½ credit) GR 10 (required)

Prerequisite: None

This course is designed to increase the developmentally appropriate knowledge and behavioral skills necessary to achieve optimal well-being throughout the lifespan for individuals and families. The causes of morbidity and mortality of youth, chronic disease management, and parenting skills associated with optimal family health will be emphasized. Skills such as decision-making, goal setting, advocating, choosing health behaviors, accessing reliable and valid information and communicating with others will be practiced using various health content topics. Content topics include personal health and wellness, safety education, violence prevention, human sexuality, substance education, mental and emotional health, food and nutrition, and physical activity. This course focuses on reducing risk factors and providing protective factors associated with well-being.

FAMILY AND CONSUMER SCIENCE

EXPLORATORY FCS (½ credit) GR 9, 10, 11

Prerequisite: None

This course includes introductory experiences related to Family & Consumer Sciences foods courses. **It is the required prerequisite for Apparel, Textiles & Fashion; Nutrition & Wellness and International Foods; and ProStart I.** Students will acquire knowledge and problem solving skills needed by citizens in preparation for their roles as consumer, wage earner, and community leader. Introductory experiences in careers and leadership, nutrition and wellness will be included. Students will investigate careers and career readiness, discuss basic nutrition and wellness information and complete multiple foods labs.

Missed labs must be made up at home following absences. Students pay for their own sewing materials.

LEADERSHIP IN FCS (1 credit) GR 9, 10, 11, 12

Prerequisite: Students in the course must be a dues-paying member of FCCLA or have a career interest in Family and Consumer Sciences. This course may be repeated if desired.

In this course students will complete Regional, State & National Programs, plan and implement one service project and participate in competitive events. **FCCLA Officers are encouraged to take the course any year that an office is held.**

FOODS I: NUTRITION AND WELLNESS (½ credit) GR 10, 11, 12

Prerequisite: General Foods/Exploratory FCS with a C average or higher or with instructor approval.

This is an introductory course to the nutrition and food principles. Students will learn about the body's nutrient needs, balanced eating plans, functions and sources of nutrients, and demonstrate safe and sanitary cooking practices designed to preserve nutrition. Principles and procedures for preparing specific foods, reading and altering a recipe, functions of basic equipment and basic culinary skills in cutting, mixing, and measuring will be covered. The class serves as a prerequisite for Advanced Foods. Missed labs must be made up at home following absences.

FOODS II: INTERNATIONAL FOODS (½ credit per semester) GR 11, 12

Prerequisite: General Foods/Exploratory FCS with a C average or higher or with instructor approval AND Foods I: Nutrition and Wellness with at least C average or higher or with instructor approval

This semester-long course is designed to give further training in the area of nutrition and wellness.

Students will also discuss a variety of traditions and habits related to nutrition in the United States and

around the world. Food preparation, presentation, balanced eating plans, preparing quantity foods, and related career opportunities will be discussed. Student research projects and presentations are an integral part of this course. Missed labs must be made up at home following absences.

PROSTART I & II (2 year program, 1 unit of credit per year) GR 11, 12

Prerequisite: General Foods/Exploratory FCS with a C average or higher AND Foods I Nutrition & Wellness with at least a C average or higher, ProStart I with a C average or higher or with instructor approval

The ProStart program consists of a sequence of two courses and 400 mentored work hours in the industry. Each course is designed to prepare individuals in the pursuit of a career in the hospitality/food service industry. The program requires a specific curriculum developed by the National Restaurant Association including a summative assessment.

ProStart I is an intensive course covering topics such as sanitation and safety, nutrition, kitchen basics, commercial equipment, foodservice costs, and other basic concepts related to culinary skill development and restaurant management. All students have the opportunity to take and obtain Industry Recognized Credentials by the end of the two years.

INTERPERSONAL RELATIONSHIPS – UCM Dual Credit Available (HDFS 1010) (½ credit) GR 11, 12

Prerequisite: None

Prerequisite for Dual Credit: 3.0 GPA

Interpersonal Relationships is a course that includes the study of the family as an institution, the role of the family members, family cycle, and pressures affecting family living. The art of effective communication and listening skills, as well as goal setting and planning, are also discussed. Other topics include mate selection, parenthood and children, and family management

CHILD DEVELOPMENT I – UCM Dual Credit Available (HDFS 1220) (½ credit) GR 10, 11, 12

Prerequisite: None

Prerequisite for Dual Credit: 3.0 GPA

This course includes the study of children from conception to adolescence; their physical, mental, emotional, and social growth; and their development; and their care and guidance. Observation and actual experiences with children and their parents are an integral part of the instruction.

CHILD DEVELOPMENT II – UCM Dual Credit Available (HDFS 1230) (½ unit of credit per semester) GR 11, 12

Prerequisite: Child Development I with a grade of at least a B or with instructor approval. **Students must provide their own transportation and have parental permission to enroll in this course.** Attendance will impact your grade in class.

Prerequisite for Dual Credit: 3.0 GPA

This class will involve career study and preparation for job shadowing in the field of child development. Classroom instruction will comprise at least 50-60% of the class while job shadowing will make up the remainder.

APPAREL, TEXTILES & FASHION (½ credit) GR 10, 11, 12

Prerequisite: General Foods/Exploratory FCS with a C average or higher or with instructor approval

This course is designed to help individuals understand the social, psychological, and physiological aspects of clothing and textiles; the nature, acquisition, and use of clothing and textile products; the selection, construction, maintenance, and alteration of clothing and textile products; and the effect of consumer choices on the individual and family as well as the clothing and textile industry. Everyone will complete hands-on projects to form a portfolio. This course will include 2 sewing projects. Students pay for their sewing materials.

HOUSING & INTERIOR DESIGN (½ credit) GR 10, 11, 12

Prerequisite: None

This course introduces students to the behavioral, social, economic, functional and aesthetic aspects of housing, interiors, and other built environments. The course includes instruction in analyzing, planning, designing, furnishing, and equipping residential, work, and leisure spaces to meet user needs and the study of related public policies.

ADVANCED DESIGN (1/2 credit) GR 11, 12

Prerequisite: C or higher Fashion Design or Housing and Interior Design or with Instructor approval

This is a course for students who want to continue pursuing their interest in Fashion or Interior Design. Students will study careers in design, textiles, and areas of their interest. Students will also develop a portfolio of coursework to express their area of interest.

CAREER PATHWAYS TO THE TEACHING PROFESSION & PRACTICUM - UCM Dual Credit Available (EDFL 2100 & FLDX 2150) (1 credit) GR 11, 12

Prerequisite: Child Development I with a C or with instructor approval. **Students must provide their own transportation and have parental permission to enroll in this course.** Attendance will impact your grade in class.

This course is designed for students who are considering the elementary or secondary teaching profession or corporate educator. The course focuses on the general theory and practice of learning and teaching. The course includes the basic principles of educational psychology, the art of teaching, the planning and administration of educational activities, school safety and health issues, and the social foundations of education. During the course, students will also participate in classroom observations as an intern. Each student will be assigned to a district school within the high school attendance boundaries. Students will demonstrate good moral character, good work habit, responsibility, punctuality and organizational skills.

CAREER EXPLORATION (1 unit of credit) GR 11, 12

Students will be able to investigate their own skills and traits to find what career path fits them best. This course will create an innovative opportunity for students to explore various careers and complete hands-on experiences with local community partners. **Students must provide their own transportation and have parental permission to enroll in this course.**

BUSINESS

Students are required to earn .5 credit in Personal Finance. Personal Finance, Honors Personal Finance or Summer Online Personal Finance fulfills this requirement.

ARROW PUBLISHING (1 credit) GR 9, 10, 11, 12

Prerequisite: Application Only – Interview Upon Request

Students will produce the Yearbook and will receive an in-depth training in feature writing, layout, design, advertising, and advanced photography including production techniques. Advanced Yearbook students will be trained for leadership roles within the Yearbook staff. Students will have opportunities to attend yearbook workshops.

PERSONAL FINANCE (½ credit) GR 11, 12

This one semester course is based on the Missouri Personal Finance Competencies and presents essential knowledge and skills to make informed decisions about real world financial issues. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions to make effective use of income to achieve personal financial success.

HONORS PERSONAL FINANCE – UCM Dual Credit Available (FIN1820) (½ credit) GR 11, 12

This course is an introduction in personal finance management. Students will explore a complete framework for understanding the process of accumulating and protecting personal wealth, emphasizing the analysis of risk/return relationships and time value of money as well as learning to understand investment alternatives, consumer purchasing decisions and how strategies develop as life situations mature. Students enrolled in this course can earn 3 semester hours of college credit through the University of Central Missouri. This is an Honors level course with an accelerated pace.

PHOTOSHOP (½ credit) GR 9, 10, 11, 12

Students develop proficiency in using graphic arts and photo editing software (Adobe PhotoShop) to create a variety of projects and business publication graphics. Students will learn basic Photoshop tools and palettes. Development of a digital portfolio is essential for college and career readiness. Students will create digital portfolios and will create a place to showcase projects as they progress through high school.

MULTIMEDIA (½ credit) GR 9, 10, 11, 12

This course is designed to introduce students to work with multimedia software to develop electronic presentations. They will learn how to manipulate text, art and graphics, photography, animation, audio, and video for presentations in various media formats. A variety of software will be used. Development of a digital portfolio is essential for college and career readiness. Students will create digital portfolios and will create a place to showcase projects as they progress through high school.

COMPUTER APPLICATIONS (½ credit) GR 9, 10, 11, 12

Technology and computer skills are very important in today's world. This class is ***highly recommended*** for all students preparing for college and/or the workplace. Computer Applications course serves as a basic introduction to all Business and Marketing classes. If you intend on taking additional Business and Marketing classes, this should be the *first class* you take! Course includes an introduction to basic computer skills, a review of the alphabetic and numeric keyboard, and basic word processing skills. Students will learn to arrange and format personal business letters, tables, and MLA style reports with works cited pages. Students will receive an introduction to presentation and spreadsheet software.

HONORS APPLIED COMPUTER APPLICATIONS UCM Dual Credit option - CTE 1210 (½ Credit) Grades 10, 11, 12

This is an advanced course designed to prepare students with a thorough knowledge and skill in word processing, spreadsheet and presentation software to gather, evaluate, communicate and manage information for academic and professional purposes.

ACCOUNTING I (1 credit) GR 11, 12

This course provides students with an understanding of the basic principles of the double-entry accounting system. Examples of activities in the accounting course include: journalizing transactions, posting to general ledger accounts and subsidiary ledger accounts, preparing worksheets, financial statements, adjusting and closing entries, and preparing a post-closing trial balance for a proprietorship, partnership, and a corporation. Business simulations and computer applications are a part of the course to give the students practical accounting experience. Windows-based computers will be utilized. This course is strongly recommended for students who are planning a post-secondary education in any type of business related field.

HONORS ACCOUNTING II (1 credit) GR 12

Prerequisite: Accounting I

This course is designed to help students acquire a more thorough, in-depth knowledge of account procedures and techniques utilized in solving business problems and making financial decisions. Units to be covered include departmentalized accounting, automated accounting, general accounting adjustments, corporate accounting, management accounting, and cost accounting. Business simulations and computer applications are part of this class. Windows-based computers will be utilized.

WEB DESIGN (½ credit) GR 10, 11, 12

This is a project-based course that teaches students how to build their own web pages. Students will learn the languages HTML and CSS, and will create their own live homepages to serve as portfolios of their creations. Students will finish this course with tangible, professional, mobile responsive websites.

HONORS BUSINESS AND PERSONAL LAW (½ credit) GR 11, 12

This course provides an understanding of the legal implications of a person's acts in relationship to others. Course content includes the nature of law, legal rights, and obligations; understanding the organization of our court systems; the criminal justice system; tort and contractual law; laws affecting the consumer; debtor/creditor laws; family laws; and ethics.

GRAPHIC DESIGN (½ credit) GR 10, 11, 12

Prerequisite: C or higher in Multimedia, Photoshop, Computer Applications, Honors Applied Computer Applications or instructor approval

Students will gain a thorough understanding and ability to utilize Adobe InDesign and Adobe Illustrator. Publications created using these programs will include newsletters, brochures, magazines, maps, etc. using a variety of layout and design tools for professional results. Scanners and digital cameras will be used in layouts. Development of a digital portfolio is essential for college and career readiness. Students will create digital portfolios and will have a place to showcase their projects as they progress through high school.

BUSINESS TECHNOLOGY (½ credit) GR 10, 11, 12

Prerequisite: C or higher in Computer Applications, Honors Applied Computer Applications or instructor approval

This individualized course is designed to develop skills, knowledge, work habits, business etiquette, and attitudes needed for success in college and/or on the job. Students will experience in-depth training in Microsoft Office with letters, tables, reports, merging, macros, and web using Word; spreadsheets with formulas, charting, and other functions using Excel; database management, forms, and reports using Access; and classroom presentations using PowerPoint. The class will also incorporate written and oral communications, desktop publishing training, data entry, business calculations, and job preparation skills. Class includes individual work with teacher assistance and provides a strong background for the work

place and/or the college-bound student. The second and third year student program continues Business Technology I curriculum. Students work at individual pace, make decisions, and work independently. Course provides excellent reference for serious employment.

HONORS BUSINESS TECHNOLOGY (½ credit) GR 11, 12

Prerequisite: C or higher in Business Technology or instructor approval

This second and third year student program continues Business Technology I curriculum. Students work at individual pace, make decisions, and work independently. Students are placed in a local business the second semester for extended training. Course provides excellent reference for serious employment.

Internship: Students experience an actual business environment with on-the-job experience.

LEADERSHIP IN BUSINESS (½ credit) GR 9, 10, 11, 12

Prerequisite is membership in FBLA or DECA.

This project-based leadership course develops student understanding and skills in such areas as emotional intelligence, professional development, and communication. Students acquire an understanding and appreciation of the need for leadership at school, at home, and in the community. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills.

HONORS FOUNDATIONS OF BUSINESS (½ credit) GR 10, 11, 12

The Foundations of Business course serves as a basic introduction to the varied aspects of owning, operation, and conducting business. The course will include an introduction to accounting, marketing, finance, and management. Other areas to be examined include business organization, networking, workplace communication, and decision-making. Students will develop soft skills needed to enhance an individual's interactions, job performance, and career prospects

INTRO TO COMPUTER SCIENCE (1 credit) GR 9, 10, 11, 12

Prerequisite: Average of 80% or higher in Algebra I or instructor approval.

This course is designed to offer an introduction to computer science. Students will learn the basics of computer programming along with the basics of computer science. The material emphasizes computational thinking and helps develop the ability to solve complex problems. This course covers the basic building blocks of programming along with other central elements of computer science. It gives a foundation in the tools used in computer science and prepares students for further study in computer science, including AP Computer Science Principles (Theory) and AP Computer Science A (Java) courses.

AP COMPUTER SCIENCE JAVA (1 credit) GR 10, 11, 12

Prerequisite: Average of 70% or higher in Introduction to Computer Science or instructor approval.

This is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures through Java.

MARKETING

ENTREPRENEURSHIP (½ credit) GR 9, 10, 11, 12

This course provides students with fundamental knowledge needed for starting and managing the small business. This course begins with examining the characteristics of an entrepreneur and how to find a sound idea for a business. The importance of market analysis and understanding consumer behavior are stressed. Raising money for your business and financial management are emphasized in the course. Finally, students will prepare and present a business plan.

MARKETING (½ credit) GR 10, 11, 12

This course is for students interested in careers in retail, wholesale, and service occupations. Marketing is all of the activities involved in moving goods and services from the producer to the consumer. Instruction includes economics, marketing research, product development, packaging, labeling, promotion, and selling. The students will demonstrate an effective sales presentation. Membership in DECA is strongly encouraged.

MARKETING RESEARCH (½ credit) GR 10, 11, 12

Prerequisite: A grade of C- or better in Marketing or Entrepreneurship or instructor approval.

This course examines key concepts and methods of marketing research to allow students to understand and apply research tools to solve real-life business problems. Students will learn basic techniques of research in marketing, including problem definition, research design, questionnaire construction, sampling, data collection, data analysis, and result presentation. Students will learn how marketing research can help managers make business decisions and how to transform research findings into actionable business insights. Students will have the opportunity to define a business problem, develop a research plan, collect and analyze data on their own and present findings and implications as a course project. DECA membership is required.

BUSINESS MANAGEMENT (½ credit) GR 10, 11, 12

This course provides students with a solid foundation about what business is, how it operates, and how it is managed. Early emphasis is on “Human Resources”, and students will learn how to prepare a job analysis, job description, and job specification. Mock interviews help students learn how to interview an employee for a job as well as how to prepare for the job interview.

RETAIL (1 credit) GR 10, 11, 12

Prerequisite: C or higher in Business Management or Entrepreneurship and Application/Interview Process OR Teacher Approval and Application/Interview. Teacher Approval will be based on established qualifications.

This course is an instructional program that prepares individuals to apply marketing skills in retail establishments. Principles, practices and procedures are taught as related to the field of retailing.

Objectives for the class: Explain the importance of store image and design, define visual merchandising, define the promotional mix, define customer buying motives and needs, describe the customer service expectations, and describe the role of the store manager. Membership in DECA is required and working in the Tiger Shop.

ADVANCED RETAIL (1 credit) GR 11, 12

Prerequisite: C or higher in Leadership in Business, C or higher in SBE: School Based Enterprise and Application/Interview Process OR Teacher Approval and Application/Interview. Teacher Approval will be based on established qualifications.

This course is a managerial instructional program that prepares individuals to apply managerial, supervisory and workplace leadership skills in retail establishments. Principles, practices and procedures are taught as related to the field of retailing. Membership in DECA is required. Managers may be required to enroll in both Tiger Shop/Retail and Tiger Prints/SBE.

SCHOOL BASED ENTERPRISE: SBE (1 credit), GR 11, 12

Prerequisite: C or higher in Retail and Application/Interview Process OR Teacher Approval and Application/Interview. Teacher Approval will be based on established qualifications. Students enrolled in SBE will work the Tiger Prints SBE.

This school-based enterprise (SBE) is an entrepreneurial operation in a school setting that provides goods/services to meet the needs of the market. SBEs are managed and operated by students as hands-on learning laboratories that integrate National Curriculum Standards in marketing, finance, hospitality or management.

School-based enterprises are effective educational tools in helping to prepare students for the transition from school to work or college. For many students, they provide the first work experience; for others, they provide an opportunity to build management, supervision and leadership skills. While some in the education community have only recently discovered the value of school-based enterprises, educators, DECA advisors have used them as a powerful teaching tool for more than four decades. Membership in DECA is required.

AGRICULTURE EDUCATION

Articulated credit is offered through State Tech of MO, and State Fair Community College. ***One credit of science may be earned upon completion of Health Science I or the completion of three credits of the following agriculture education courses; Ag Science I, Ag Science II, Biotechnology, Small Engine repair, Equine Science, Advanced Animal Science, Greenhouse, Floriculture, Landscaping, and***

Conservation, or Ag Science I & II and one of the others listed.

AG SCIENCE I (1 credit) GR 9, 10

This is a course in leadership and supervised agricultural experience through the FFA program, animal science, basic instruction in agricultural mechanics, and agricultural careers. This course is suited for general studies students as well as those interested in the FFA organization. This course is required if you plan to join FFA as a freshman.

Articulation: Offered through State Fair Community College.

AG SCIENCE II (½ credit) GR 10, 11, 12

Prerequisite: Must have passed Ag Science I with a B average or instructor approval

This is a semester course in plant science, soils, basic food science, and entomology. This course is suited for general studies students as well as those interested in FFA organization.

BIOTECHNOLOGY (½ credit) GR 10, 11, 12

This course includes topics in the history of biotechnology, cell biology, genetic transfer, genetically modified organisms, cloning, and the application of biotechnology to plant science, animal science, medicine, the food industry, and ecology. Consumer issues, ethics, and careers are also addressed. This course is well suited for those students with a strong science interest and background.

CONSERVATION AND NATURAL RESOURCES (½ credit) GR 10, 11, 12

The course will cover the history and importance of conservation efforts within Missouri and globally. Topics include unique ecological characteristics of ecosystems including grasslands, forests, wetlands, etc. Habitats and needs of fish and wildlife will also be discussed.

AG BUSINESS, ECONOMICS & MANAGEMENT (½ credit) GR 11, 12

This course combines agribusiness management and content based on agricultural economic principles. Computer applications are included to enhance student understanding and utilization of current technology. Units include human relations, verbal and written communication, economic principles-personal and business, agribusiness functions, and business management.

Articulation: Offered through State Fair Community College.

AGRICULTURAL COMMUNICATIONS & LEADERSHIP (½ credit) GR 10, 11, 12

Prerequisite: All FFA officers are required to take this class as well as others with strong FFA interests. FFA officers may take this class each year an office is held.

Preparing written and photographic material for publication, public speaking including prepared and extemporaneous, advanced record keeping, career development training, officer responsibility and follow through, shadowing leadership roles in the community, tutoring, mentoring, and service learning.

EQUINE SCIENCE (½ credit) GR 10, 11, 12

This course is a study of general horse care, reproduction, health, nutrition, and selection. A portion of the course will deal with training and riding as well as horse physiology, facilities, and use of tack and related equipment.

Articulation: Offered through State Fair Community College.

ADVANCED ANIMAL SCIENCE – UCM dual credit available (AGRI 1420) (½ credit) GR 11, 12

Prerequisite: AG Science I

This is a semester course offering instruction in animal breeding, genetics, nutrition, health, and selection. The course will include information regarding both livestock and small/companion type animals.

Articulation: Offered through State Fair Community College.

GREENHOUSE OPERATION AND MANAGEMENT – UCM dual credit available (AGRI 1600)

(1 credit) GR 10, 11, 12

Green thumb or not, everyone can grow plants! You will grow poinsettias, house plants, and bedding plants. Topics include plant identification, greenhouse environment, greenhouse structures, and plant propagation. Lots of hands on activities are completed during the class.

Articulation: Offered through State Fair Community College.

FLORICULTURE (1 credit) GR 10, 11, 12

Prerequisite: The Greenhouse Operation & Management course must be taken prior or concurrently

This course will offer instruction relating to the florist industry. Items covered will include: handling cut flowers, bud vases, flower arranging and design, corsage construction, boutonniere construction, design for special occasions, etc. Greenhouse related activities will be included.

LANDSCAPING AND NURSERY OPERATIONS (1 credit) GR 11, 12

This is a course covering production, marketing, utilization, and culture of landscape plants, including turfgrasses, as well as designing, installing, and maintaining landscapes. Greenhouse practical experience may be included.

Articulation: Offered through State Fair Community College.

AGRICULTURAL STRUCTURES (½ credit) GR 10, 11, 12

This course includes study and practical experience with wood construction, electrical wiring, electrical motors, concrete masonry, plumbing and sewage disposal, and farm buildings.

SMALL ENGINE REPAIR (½ credit) GR 10, 11, 12

This course covers small engine maintenance and repair, theory of internal combustion engines, and how to troubleshoot problems. Students will repair and overhaul engines of their own, including chainsaws, tillers, lawnmowers, etc.

AGRICULTURAL CONSTRUCTION I (1 credit) GR 10, 11, 12

Prerequisite: AG Science I

This course deals principally with oxyacetylene operations, Arc welding, MIG welding, and construction of small projects both metal and wood. This course requires a lab fee and the purchase of a tool kit.

Articulation: Offered through State Fair Community College.

AGRICULTURAL CONSTRUCTION II (1 credit) GR 11, 12

Prerequisite: Ag Construction I

This course deals primarily with Welding and the construction of small and large projects. The course will have a repair and maintenance section as well as instruction in Arc, TIG, MIG, aluminum welding, electricity, oxyacetylene, and plasma cutting. Both metal and wood projects are constructed. This course requires a lab fee and a tool kit needs to be purchased.

Articulation: Offered through State Fair Community College.

Special Services

In compliance with Public Law 94:124 and the amendments in the Individuals with Disabilities Education Act of 2004 (IDEA), the Warrensburg R-VI School District provides Special Services to students with special needs. The Special Services team provides individualized instruction through the development of an Individual Education Plan (IEP) that is reviewed and revised annually. A full continuum of special education services is available to meet the needs of students with categories of disabilities in the Warrensburg R-VI School District.

SS ELA I (1 credit) GR 9

This course is to improve each student's reading and writing skills, as well as provide them with word knowledge. Students will be provided with daily and weekly opportunities to read, communicate, reflect, and create. Students will read and analyze literature through writing. Vocabulary development will be stressed and grammar and usage reviewed. Oral book reports, discussions of literature, and short writings make up the main activities for the course.

SS ELA II (1 credit) GR 10

This course emphasizes composition, literature, and speech. The student will develop skills in writing narration, description, and exposition, emphasizing correct usage and mechanics. Literature will include short stories, novels, poetry, and drama. A speech unit will allow students to acquire self-confidence and poise in oral communication.

SS ELA III (1 credit) GR 11

In this course students will read and analyze literature through writing. Essentials in mechanics of grammar, writing, and usage are expected to be mastered by the students. Composition will focus on theme, organizing an introduction, body and conclusion. Literature study and composition will emphasize American literature.

CAREER LITERACY (1 credit) GR 9, 10, 11, 12

This course is designed for students who will benefit from a program that directly and systematically teaches them to fluently and accurately decode. This code-based instruction is very interactive and multisensory. It teaches "total word construction" both encoding and decoding. It is taught within a small-group format.

FUNCTIONAL ELA (1 credit) GR 9, 10, 11, 12

This course is designed to provide students with functional instruction in using written and verbal communication skills in everyday situations. Course content is individualized according to each student's needs as identified in the Individual Education Plan. Areas covered include: basic word analysis and sight word recognition, vocabulary development, comprehension of written material, grammar and sentence structure, reading for survival, reading for pleasure, fill out forms and oral communication skills.

INTEGRATED MATH (1 credit) GR 9, 10, 11, 12

This course is geared for students whose math skills are below grade level. The goal of this course is to develop each student's ability to solve problems in order to become a productive citizen in a technological society. Activities emphasize the integration of all mathematical skills into real-world problem-solving situations. Students work on many different types of problems, including those that have no readily available solutions.

FUNCTIONAL MATH (1 credit) GR 9, 10, 11, 12

This course is designed to provide students with functional money, time, and math skills. Priority skills will be identified in each student's Individual Education Plan.

PERSONAL AWARENESS (1 credit) GR 9, 10, 11, 12

This course will focus on skills needed to improve relationships with others and will include problem solving skills, goal setting and self-monitoring techniques. The student will focus on discovering personal strengths, motivations, emotions, values, self-worth and strive towards self-determination. This course is designed to help the student explore his/her personality and potential. Emphasis is placed on becoming self-affirming, self-motivating, self-determining and to develop great empathetic regard for other people.

FUNCTIONAL SCIENCE (1 credit) GR 9, 10, 11, 12

This course is designed for students to gain a most basic foundation in science and skills needed to prepare them for independence after high school noted in each student's Individual Education Plan.

FUNCTIONAL SOCIAL STUDIES (1 credit) GR 9, 10, 11, 12

This course is designed for students to gain a most basic foundation in social studies and skills needed to prepare them for independence after high school noted in each student's Individual Education Plan.

FUNCTIONAL VOCATIONAL SKILLS (1 credit) GR 9, 10, 11, 12

This course is designed to provide to provide students with information about various jobs/tasks and skills needed for these jobs/tasks. It will stress problem solving, endurance, time on task, rate of completion of task, accuracy of task, materials management and appropriate interactions with supervisor and other workers.

FUNCTIONAL DAILY LIVING SKILLS (1 credit) GR 9, 10, 11, 12

In this course, students will apply skills learned in the classroom to practical applications in the community. Community based experiences will involve shopping, banking, safe mobility and access to recreation and leisure opportunities that are priority community activities noted in each student's Individual Education Plan.

FUNCTIONAL RECREATION AND LEISURE (1 credit) GR 9, 10, 11, 12

In this course, students will sample a variety of sports and leisure skills, learning simple rules, use of equipment, accessing in the community, safety strategies and working cooperatively with peers. Students will develop specific independent leisure time skills (i.e., hobbies, crafts and art activities) that are priorities noted in each student's Individual Education Plan.

FUNCTIONAL LIFE SKILLS (1 credit) GR 9, 10, 11, 12

This course is designed for students to gain adaptive and life skills needed for independence. Activities are offered to assist in learning functional skills such as food preparation, eating, nutrition, shopping, purchasing, and eating in restaurants, and skills relating to health and safety and human awareness noted in each student's Individual Education Plan.

TRANSITION LAB (1 credit) GR 9 GR 9, 10, 11, 12

This is a transition-based course for students with special needs. This course focuses on real-world subjects such as study skills, organizational habits, preparing for after high school, and communication skills. This course provides opportunities for students to work on outside assignments, while preparing for life after graduation. Students will participate in a variety of activities and curriculums that include

transition-based assessments such as but not limited to: interest inventories, career inventories, learning style inventories, etc.

CAREER LAB (1 credit) GR 9, 10, 11, 12

This course aims to assist students in exploring various post-secondary outcomes throughout the community while grasping concepts of independent living. Career Lab is designed to provide on the job experience and training in a real-world setting. This particular course will allow students the opportunity to gain valuable work skills. These will include, but are not limited to; cooperation, initiative, being courteous, handling criticism, understanding job performance, job quality, work habits, and the importance of personal appearance. Class curriculum will look at independent living skills, money management, and career research.

WARRENSBURG AREA CAREER CENTER

Admission is based on a number of criteria including attendance, discipline, grades and Plan of Study

AUTO COLLISION TECHNOLOGY I & II (2 year program; 4 credits per year) GR 11, 12

A Nationally Certified Program (NATEF/ASE)

Auto Body students will learn the basics of repairing damaged automobile and truck bodies, align body panels, repair, prime and repaint auto body damage, and replace panels, fenders, trim, and glass. Other tasks to be learned will include: use of Mig welders, plastic welders, electric and air tools, masking and mixing paint and primer, estimating and billing, shop safety, paint booth operations, and refinish safety. Students will also learn frame and unibody repair basics. 21st century (employability) skills are also covered. The curriculum is I-CAR (Inter-Industry Conference on Auto Repair). Students will have the opportunity to earn an Industry Recognized credential from I-CAR as refinish technician and/or non-structural repair technician. I-CAR certification is needed in many auto collision repair facilities.

AUTO SERVICE TECHNOLOGY I & II (2 year program; 4 credits per year) GR 11, 12

This course is a MLR focus which is Maintenance and Light Duty Repair. The areas covered are engine repair, automatic transmission, and trans axle, manual drive train and axles, suspension and steering, brakes, electricity and electronic systems, heating ventilation and air conditioning, and engine performance. Students will learn by studying the subject theory and by actual hands-on experience in the above mentioned areas. Also, students learn the proper use, care, and cleaning of tools, equipment, and shop. During the second year, auto mechanic students expand the skills and fundamentals learned in Auto Mechanics I. All students have the opportunity to take and obtain four Industry Recognized Credentials by the end of the two years.

Articulation: Offered through State Fair Community College and State Technical College of Missouri.

CONSTRUCTION TECHNOLOGY I & II – SFCC Dual Credit Available (CNST 145, CNST 146)

(2 year program; 4 credits per year) GR 11, 12

A Nationally Certified Program

Students receive training in rough framing carpentry, finish carpentry, residential roofing, exterior finishes, work, drywall application, concrete finishing, painting, plumbing, and electrical wiring. Students receive this training through a combination of classroom theory and hands on application with the construction of the construction of a residential home. In this program students will acquire the OSHA 10 hour certification, which is good for their lifetime, and a Career Connections Carpentry Certification, which is nationally recognized in the construction trades. Students who complete the program have the opportunity to join the KC Carpenters' Union Apprenticeship where they can continue their education while starting their career in the construction industry.

COMPUTER TECHNOLOGIES I – SFCC Dual Credit Available (NET 140, NET 142) GR 11, 12

(4 credits) This course provides hands on experience with hardware, software, basic networking, troubleshooting,

and coding. Students will learn different operating systems and how to manage them, hardware components of the computer and how to configure them according to the system, connecting peripherals, minor networking, mobile devices, troubleshooting strategies, and IT tools. Students will also be introduced to coding. The code covered in this course is introductory and will teach students how to create basic console-based applications. Students will complete an internship/job shadow during the second semester of the course. Students will earn 6 college credit hours for free through State Fair Community College for the successful completion of this course. Upon completion of Computer Technologies 1, students will be prepared to take the industry recognized credential/certification exam for TestOut PC Pro.

Depending on skill set, ambition, and future goals, students will also be prepared for the CompTIA A+. With this certification students will have an advantage over others for entry level tech repair and computer maintenance jobs.

COMPUTER TECHNOLOGIES II – SFCC Dual Credit Available (NET 102) GR 12 (4 credits)

Prerequisite: Computer Technologies 1

This course provides a deeper look and understanding of networking and coding. Students will use hands on and simulated labs to learn networking design. Students will learn to install, configure, upgrade, and troubleshoot a computer network. Students will also continue working on coding. Basic code will be reviewed from Computer Technologies 1 and students will create a computer application. Students will complete an internship/job shadow during the second semester of the course. Upon completion of Computer Technologies II, students will be prepared to take the industry recognized credential/certification exam for TestOut Network Pro. Depending on skill set, ambition, and future goals, students will also be prepared for the CompTIA Network+. With this certification students will have an advantage over others for entry level networking jobs. There may be opportunity for other industry certifications, depending on student's skill set, ambition, and future goals. Because these courses are designed to be career ready classes, students will also acquire basic job skills. Students will explore career pathways, examine higher education options, and practice job searching and interviewing skills.

HEALTH SCIENCES (4 credits per year) GR 11, 12

The goal of the Health Science class is to introduce students to the career options available to them in the Allied Health Field and to give students credentials for entry-level employment in healthcare. To achieve this goal, Health Science will be split over two years. The curriculum will be taught on a rotating schedule as outlined below. Year one this course will be on the Certified Nurse Assistant curriculum

We will also be doing Introductory Anatomy & Physiology as well as Medical Terminology. The second year will focus on career exploration including, job shadowing of multiple careers within the healthcare field. The students will get to explore allied health careers they didn't even know existed until now. After the two-year program, students can leave Health Science with the following:

CNA Certification

CPR Certification

First Aid Certification

CERT (Community Emergency Response Team) Certification

OSHA-10 Certification

Stop the Bleed Certification

Medical Terminology Articulated Credit thru State Fair Community College

Introduction to Anatomy & Physiology

Job Shadowing experiences with up to 18 different healthcare careers

Warrensburg A+ Schools Program

Student Eligibility

To be eligible for the A+ scholarship a student must meet the following requirements.

- Be a U.S. citizen, permanent resident.
- Enter into a written agreement with your high school.
- Attend a designated A+ high school for 2 consecutive years immediately prior to graduation;
- Graduate from an A+ designated high school with a overall unweighted grade point average of 2.5 or higher on an 4.0 scale.
- Have at least a 95% cumulative attendance record overall for grades 9-12.
- Perform 50 hours of unpaid tutoring or mentoring prior to graduation.
- Maintain a record of good citizenship and avoid the unlawful use of drugs and/or alcohol while in grade 9-12.
- Have achieved a score of proficient or advanced on the Algebra I end of course exam or higher level DESE approved end-of-course exam in the field of mathematics.
- If you do not meet the end-of-course mathematics requirement, you may still be eligible by meeting the following criteria:
 - ACT Math Score of 17 or greater and unweighted grade point average of 2.5 or higher on a 4.0 scale.
 - ACT Math Score of 16 and unweighted grade point average of 2.8 or high on a scale of 4.0
 - ACT Math Score of 15 and unweighted grade point average of 3.0 or higher on a

Initial Postsecondary Students

Enroll and attend full-time at a participating public community college or vocational/technical school, or private two-year vocational/technical school. (Students who have a disability as defined by Title II of the Americans with Disabilities Act and are unable to enroll full time because of their disability but are enrolled in at least six credit hours may be considered to be enrolled full time.)

- Be seeking a degree or certificate at the school in which you are enrolled.
 - If you have already received an associate degree or baccalaureate degree you are not eligible for the A+ scholarship program.
- Not be pursuing a degree or certificate in theology or divinity.
- Not have a criminal record preventing receipt of federal Title IV student financial aid.
- Make a good faith effort to secure all available federal financial aid by completing the Free Application for Federal Student Aid (FAFSA®). Students attending a school that does not participate in Title IV programs must complete the Federal Student Aid Estimator, which is a tool for estimating the level of need for federal financial aid.
- Achieve at least a 2.0 cumulative grade point on a 4.0 scale at the end of the fall semester (or at the end of the initial payment period for non-semester- based programs) and otherwise maintain satisfactory academic progress as defined by your school.
- Complete 12 semester credit hours or the equivalent (6 hours during the summer term) each term in which you receive an A+ award in order to maintain eligibility for the next term. Students in clock

hour programs must complete 90% of the clock hours required for the applicable federal payment period.

How much can I receive?

The scholarship will reimburse, within the limits described in the following paragraph, the unpaid balance of your tuition and general fees after all available, non-loan federal financial assistance, such as the federal Pell grant, has been applied to your account. This may result in a zero award if your Pell grant is sufficient to cover all tuition and general fee charges. General fees are fees that are charged to all students and do not include fees specific to an individual program or group of students.

The tuition amount eligible for reimbursement is capped at the published standard per credit hour tuition rate charged by State Technical College of Missouri. The reimbursement cap is subject to change annually as tuition rates change. The maximum reimbursement rate is announced in late spring or early summer each year. For the 2023-2024 academic year, the maximum rate is \$209.00 per credit hour or \$5.60 per clock-hour.

The amount reimbursed may be reduced if there are insufficient state appropriations. The following factors may also affect the amount you are eligible to receive:

- Reimbursement will be made for completed coursework, including remedial coursework, for which a standard grade was assigned and that is required by your school for the completion of the degree or certificate. For A+ Scholarship purposes, a grade of Incomplete is considered a standard grade.
- Coursework that is part of a higher level certificate or degree program taken after receipt of a certificate will be reimbursed if it is related to the original certificate.
- Dropped coursework (including coursework from which you officially or unofficially withdrew):
 - Will NOT be reimbursed if you complete 12 semester credit hours (6 in summer).
 - Will be reimbursed if you complete fewer than 12 semester credit hours (6 in summer) because you will be ineligible for A+ until the dropped hours are completed.
 - For example, if you enroll in 15 hours but only complete 12, A+ will not pay for the 3 hours that were dropped. If you enroll in 15 hours but only complete 9, A+ will pay for all 15 hours but you will be ineligible for A+ until you have completed at least 3 hours (9+3=12 hours completion requirement).
- Repeat coursework, which includes courses for which you have already received a grade (including a failing grade), will not be reimbursed.

How can I apply?

- There is no paper application to fill out; however, you should check with your community college or vocational/ technical school to see what materials they require along with the A+ seal/stamp on your high school transcript in order to confirm your A+ eligibility.
- In addition, you must complete the FAFSA® each year. If you are attending a school that does not participate in Title IV programs, you must complete the Federal Student Aid Estimator (previously FAFSA4caster), which is a tool for estimating your level of need for federal financial aid. MDHEWD receives electronic FAFSA® records for Missouri residents directly from the federal government. Late filing may jeopardize your payment as well as eligibility for other state aid programs.
- For the summer term, check with the school you are attending to see which academic year (July 1 to June 30) contains the summer term. For example, if the 2023 summer term is part of the

upcoming academic year (called a “header”), you would need to file a 2023-24 FAFSA® in order to receive a summer award. If the 2023 summer term is part of the prior academic year (called a “trailer”), a 2022-23 FAFSA® is required.

- Although you must file a FAFSA® for the correct academic year based on your school’s academic year, MDHEWD will always provide funding for the summer term after July 1, even if your school considers summer to be a trailer to the previous academic year.

How long can I receive an award?

Your eligibility expires when the earliest of the following occurs:

- 48 months after the graduation date documented on your high school transcript.
 - Students providing service to any branch of the U.S. armed forces can defer their eligibility (see “Can the scholarship be deferred?” below).
 - Students graduating from high school in mid-year may be eligible for a spring award if their high school transcripts indicate the mid-year graduation date.
- Receipt of an associate degree
- Completion of 105% of the hours required for the program in which you are currently enrolled

Can the scholarship be deferred?

- If you are unable to attend school due to service on active duty in any branch of the United States armed forces, you may qualify for a deferment of your scholarship eligibility. The deferment will ensure you receive 48 months of eligibility (see “How long can I receive an award?” above). You must return to full-time student status within 12 months of the end of your military service and provide a copy of your DD214 to verify the length of your service in order to resume your eligibility.
- To defer your eligibility, you must submit a written request to:
- Missouri Department of Higher Education & Workforce Development
ATTN: A+
P.O. Box 1469
Jefferson City, MO 65102-1469

For more information can be found at Missouri Department of Higher Education and Workforce Development website:

<https://dhewd.mo.gov/ppc/grants/aplusscholarship.php>

Career and Technical Education Certificate Requirements

Name: _____

Graduation Year: _____

The student must meet all the requirements as follows:

- All Graduation Requirements
- CTE Concentrator, three or more credits in sequence in a department-approved career education program defined on the students ICAP, with Grade Point Average in the CTE area of concentration - 3.0 on a 4.0 scale
- TSA/IRC
 - Name of Assessment: _____
 - Pass/Fail _____
 - Date: _____
- Soft Skills/Business Skills Attainment (1 of 3 options)
 - CTSO active participation in junior or senior year
 - Letters of Recommendation
 - Soft Skills/Ethics Assessment
- College and Career Readiness Measure
 - ACT: _____
 - ACT WorkKeys: _____
 - ASVAB: _____
 - SAT: _____
- 50 hours of work-based learning (Registered Apprenticeships, Cooperative Career Education Programs, internships, clinical settings, job shadowing, entrepreneurial experiences, school-based enterprises, structured business/industry field trips, service learning, or other opportunities that provide real-time, authentic work experiences)
- 95% attendance or greater for grades 9-12

For more information on the CTE Certificate Criteria visit: <https://dese.mo.gov/sites/default/files/cte-certificate-criteria.pdf>

Individual Career and Academic Plan (ICAP)

Warrensburg High School

Name: _____

Graduation Year: _____

Counselor _____

Date developed: _____ Parent Signature: _____ Student Signature: _____

	Content Area	9th Grade	10th grade	11th Grade	12th Grade
Select a Career Path Select: _____ Career Cluster Select: _____ Program of Study (Pathway) _____	English: 4 credits required	<i>ELA I</i>	<i>ELA II or Honors ELA II</i>	<i>ELA III or Honors ELA III</i>	
Additional Postsecondary Preparation <input type="checkbox"/> A+ Program <input type="checkbox"/> Career and Technical Ed Certificate <input type="checkbox"/> Industry Recognized Credential <input type="checkbox"/> Missouri Seal of Biliteracy <input type="checkbox"/> NCAA <input type="checkbox"/> Technical Skill Attainment Other: _____	Math: 3 credits required				
	Science: 3 credits required (1 Physical; 1 Bio)	<i>Physical Science or Prin of Biomedical Sci/Prin of Bio</i>	<i>Biology or Honors Biology or Human Body Systems</i>		
	Social Studies: 3 credits required	<i>Recent Amer History</i>	<i>World History or Honors World History</i>	<i>Government or Honors Government</i>	
Postsecondary Goals _____ _____	Physical Education: 1 credit + 1/2 credit of Health	<i>Girls/Boys PE or Personal Fitness/Wellness</i>	<i>Health</i>		
Postsecondary Options: <input type="checkbox"/> Directly to workforce <input type="checkbox"/> Military <input type="checkbox"/> Tech School/Area Career Center <input type="checkbox"/> Vocational Training (Apprenticeship) <input type="checkbox"/> 2 year College transfer to 4 year college <input type="checkbox"/> 4 Year College or University Other: _____	Practical Arts: 1 credit required (including 1/2 credit Personal Finance 11th or 12th grade)				
	Fine Arts: 1 credit required				
	Other classes:				
revised 1/29/20		Credits (8)	Credits (8)	Credits (7 if WACC, 8)	Credits (7 if WACC, 8)

Co-curricular Activities	Work Based Learning	Extracurricular Activities	Assessments/Academic Results		Missouri Connections					
<p>List with number of years involved and any positions held. Example but not limited to: CTSO, Debate, Drama, Marching Band.</p>	<p>Apprenticeship Career Research Cooperative Education Employment Internship Job Shadow Mentorship Resume/Job Application/ Mock Interview Service Learning Project Volunteer</p>	<p>List with number of years involved and any positions held. Examples but not limited to: Athletics, Clubs, Leadership, Student Council.</p>	ACT:							
			ASVAB:							
			PSAT:							
			SAT:							
			ACT WorkKeys:							
			Other:							
			FAFSA (date completed)							
						Scholarship Applications				
<p>Graduation Requirements</p> <ul style="list-style-type: none"> ○ Citizenship exam ○ Missouri Constitution Exam ○ U.S. Constitution Exam ○ 30 min CPR/First Aid Instruction 	<p>Language Arts – 4 credits Mathematics – 3 credits Social Studies – 3 credits Science – 3 credits Fine Art – 1 credit Practical Art – 1 credit</p>	<p>Physical Education - 1 credit Health - .5 credit Personal Finance - .5 credit Electives- 10 credits Total of 27 credits + meet all graduation requirements</p>								