

# HERMANN HIGH SCHOOL



## ACADEMIC PLANNER & COURSE GUIDE

**HERMANN HIGH SCHOOL COUNSELING DEPARTMENT**

**2019-2020 ACADEMIC PLANNER AND COURSE GUIDE**

**Gasconade County R-1 School District  
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**Hermann High School  
Vision Statement**

We, the staff of Hermann High School, believe learning and education is a shared responsibility of the home, school, and community that prepares students for a changing world. We believe we must continually strive to create a learning environment, which will foster a sense of responsibility and self-worth in each student. We believe ongoing assessment of school, students, and educators are essential for lifelong learning and educational growth.

**Hermann High School  
Course Catalog**

This handbook has been prepared to assist you, the student, with your high school registration. While deciding on courses to be taken in high school each year, we encourage you to think about such long-term considerations as career and post-high school educational programs. We believe that the program here provides ample educational opportunities to develop skills that will be compatible with your goals for the future. We have worked to design a curriculum suitable for those planning to enter the world of work immediately upon graduation as well as for those bound for college or technical school. The program is therefore flexible enough to meet the individual needs of each student. All course offerings are subject to change based on teaching staff, curriculum requirements, and numbers of students that have requested courses.

The State of Missouri requires that certain courses be taught to all students before they graduate so that they might have the opportunity to develop at least minimal competency. In choosing courses beyond these, it is recommended that advice be sought from teachers, parents, counselors, and others who might provide helpful information. In addition, we want parents to feel free to contact our high school staff for assistance with these or other relevant matters. We hope that you will take advantage of the resources here and that your work at Hermann High School will be both beneficial and enjoyable.

**Hermann High School  
176 Bearcat Crossing  
Hermann, Missouri 65041  
573-486-5425**

## GENERAL INFORMATION

### HERMANN HIGH SCHOOL GRADING SCALE

The grading scale used at Hermann High School is an eleven (11) point system based on a four (4) point scale as follows:

<b>Percent</b>	<b>Letter Grade</b>	<b>Grade Point Awarded</b>
94.5-100	A	4.0
89.5-94.4	A-	3.6666
86.5-89.4	B+	3.3333
83.5-86.4	B	3.0
79.5-83.4	B-	2.6666
76.5-83.4	C+	2.3333
73.5-76.4	C	2.0
69.5-73.4	C-	1.6666
66.5-69.4	D+	1.3333
63.5-66.4	D	1.0
59.5-62.4	D-	.6666
0-59.4	F	0
Incomplete	I	0

A weighted class system is used to calculate G.P.A. The purpose of this system is to encourage students to pursue a rigorous course of study in preparation for college or other post secondary education. In order to receive weighted credit, a student must earn at least a grade of "D" for each semester in each weighted course. The grade point average will be computed on a 4.0 scale. After the G.P.A. has been computed, students who have met the "D" grade requirement for a weighted course will have 1/56<sup>th</sup> added to their G.P.A. for each semester of credit earned in each weighted course. The weighted classes are: Honors English 3, Human Biology, Advanced Chemistry, Physics, Pre-Calculus, Calculus, Courses that are weighted are indicated with a "**W**" next to their course description.

### HERMANN HIGH SCHOOL RETENTION PROCEDURES

Students at Hermann High School are required to attain 28 credits for graduation. At HHS a student can earn up to (8) eight credits in a given school year.

- Freshman must earn 4 or more credits to be classified as a sophomore.
- Sophomores must have earned 12 or more credits to be classified as a junior.
- Juniors must have earned 20 or more credits to be classified as a senior.

Students have opportunities for credit recovery through Summer School and Credit Recovery in the spring. Students will attend meetings and participate in the activity of the respective classes. Seniors; however, may only participate in Senior activities if they are on track to graduate that spring.

### RANKING THE TOP TEN

Each year, the top ten seniors in the graduating class (based on eighth semester grade point average) are recognized in the graduation ceremonies. Students who rank in the top ten are expected to pursue an academically challenging program while in high school. In case of ties, consideration will be given to the quantity, level, and difficulty of the courses taken. All courses must be taken for a grade rather than on the pass-fail option. Ranking will be determined after the completion of the eighth semester. A student must attend Hermann High School for four of eight semesters to be eligible.

## **ADDING OR DROPPING A CLASS**

Registration for the 2019-2020 school year takes place in Spring 2019. Students will choose courses based upon their post-secondary goals, career goals, and personal interests. Parent signature is required before course requests can be turned in to the guidance office.

Because the selection of courses has involved the student, parent, teachers, and counselor, a student's schedule should reflect their academic and post-secondary goals. Schedules will be provided at fall registration. At that time, if any of the following are discovered, a schedule change can be requested only for the first two days of the semester:

- Scheduling error (ie. Duplicate class)
- Does not meet prerequisite
- Does not reflect graduation requirements (ie. Senior has not taken Personal Finance)

Schedule changes do require parent consent in the form of a signature. The educational team consisting of teacher, counselor, and principal may initiate a schedule change based on the best academic interest of the student to meet necessary graduation requirements.

Schedule changes for second semester must be finalized by the Friday of the first full week in December.

## **Hermann High School Student Eligibility Requirements for all MSHSAA Activities**

Eligibility to represent Hermann High School in interscholastic activities is a privilege to be attained by meeting the standards of eligibility set by the Gasconade County R-1 Board of Education.

An interscholastic MSHSAA sanctioned activity shall be defined as any extra-class activity involving two or more schools in which two or more students participate who are identified with their schools. These activities include all athletics, vocal and instrumental music, speech, scholar bowl competitions, flag/guard auxiliaries, and cheer/dance team.

Students who represent a school in interscholastic activities must be creditable citizens and judged so by the proper school authority certifying a list of students for competition. Those students whose character or conduct is such as to reflect discredit upon themselves or their schools are not considered "creditable citizens".

A student in Grades 9-12 must be currently enrolled in and regularly attending courses that offer a minimum of 3.5 units of credit to be eligible to represent Hermann High School in interscholastic activities. A student must earn a minimum of 3.5 units of credit the previous semester to maintain eligibility. (This means they will need to pass seven of the eight classes.) A beginning ninth grade student shall have been promoted from the eighth grade to the ninth grade for first semester eligibility.

## **COMMENCEMENT POLICY**

It shall be the policy of the Gasconade County R-I Board of Education that students may only participate in graduation ceremonies if they have successfully completed all graduation requirements including 28 units of credit or the requirements to receive an alternative diploma or a certificate of attendance in accordance with Board policy PRIOR to those ceremonies. Students may order items (cap and gown, announcements, etc.) prior to graduation but must have successfully earned 28 units of credit before being permitted to attend graduation ceremonies. Participation in the graduation ceremony is a privilege and not a right.

## **ACADEMIC LETTER**

To receive an academic letter, the student must maintain a yearly core GPA of 3.5 or higher and display good citizenship. Freshmen and Sophomores must take classes in all 4 areas of the core curriculum each semester. Juniors and Seniors must take upper level classes in 3 of the 4 areas of the core curriculum each semester. A complete listing of these required core classes is available from the Guidance Office.

## **GRADUATION HONORS CERTIFICATES**

The President's Education Award for Outstanding Academic Excellence is awarded to students that have an overall Grade Point Average of 3.5 and also scored a 26 or higher on the ACT.

The George Washington Carver Award is presented by the Governor of Missouri to students who are the Top 10 Percent of their class according to Grade Point Average.

Four Rivers Conference Top Ten is presented by the conference to students who complete their high school transcript with a class rank of 10 or higher based on weighted Grade Point Average.

## **EARLY GRADUATION**

The procedure to be approved for early graduation is as follows. The student must make a request in writing and present it to the Principal prior to registration dates of their 12<sup>th</sup> grade year (preferably before the end of 11<sup>th</sup> grade year). The student requesting early graduation must be in good standing at 24 credits and able to meet the 28 credit graduation requirement, along with all other course requirements by the end of 1<sup>st</sup> semester, 12<sup>th</sup> grade. The student requesting early graduation is strongly encouraged to have an immediate plan to continue college education or other post secondary training in the immediate semester following early graduation date. A meeting with the student, parents/guardians, Principal, and Counselor will be required to discuss this decision. Additionally, the student and parent may be asked to present their request to the school board of education.

## **JOB SHADOWING**

Students are allowed to use one job shadow day during either their Junior or Senior year. Job shadow forms are available in the guidance office that outlines the procedures. Students are responsible to make their own arrangements for a job shadow experience, although the counselor will assist them in making the contacts if the student brings the request to the Guidance Office. The job shadow packet must be completed by the student and returned to the counselor before having the absence excused.

## **COLLEGE VISIT DAYS**

The following guidelines will be in effect concerning college visit opportunities:

1. Juniors are allowed one day for a college visit. The junior day cannot be carried over to the senior year. Junior college visit days should be completed by April 1<sup>st</sup>.
2. Seniors are allowed two days for college visits. Senior college day visits should be completed by the end of April.
3. All arrangements must be approved by the counselor or principal. Students are not to arrange college visits during EOC testing.
4. College visit day form must be turned into counselor or principal at least one week in advance of scheduled visit.
5. Students must have a signed note from the college/university upon their return or the absence will be unexcused.
6. Students are encouraged to have parents accompany them on visits, both will learn from the experience.
7. Students are responsible for making arrangements for all assignments before the scheduled visit.
8. This is a school-sponsored activity and all school rules and policies apply.

## **GUIDANCE OFFICE SCHOLARSHIP PROCEDURES**

Every Hermann High School senior is given the same opportunities to pick up and complete all available scholarship applications. It takes initiative on the student's part to get applications and it takes effort to complete these and submit them to the appropriate place. Scholarship procedures are listed below.

1. Scholarship applications are supplied to Hermann High School by various organizations: national, state, and local.
2. Copies of current applications are available in the high school guidance office.
3. All available scholarship applications are listed in the following places: updated list in the guidance office, and on district website.
4. Students inquiring in the guidance office for scholarships in general or for a specific scholarship are given individual assistance on all available applications, their criteria, and submission instructions.
5. There are two basic submission procedures:
  1. Applicant mails completed forms or completes electronically, as directed on application, to the address within the application, or:
  2. Applicant returns completed forms for collection purposes only to the guidance office for local scholarships that have arranged for a representative to pick up the applications.
  3. Review of applications by a faculty scholarship committee for the purposes of selecting a nominee best meeting the criteria. This process is used only for those local organizations that have requested that the faculty scholarship committee nominates a selection. The selected nominee's application, along with the other candidates, is then forwarded to the scholarship organization. The selection of a scholarship recipient is finally approved by the funding organization.

**GRADUATION REQUIREMENTS**

	<b>HERMANN HS</b>	<b>Missouri Public University</b>	<b>Selective College Admission (Div. 1)</b>
<b>English</b>	4	4	4
<b>Math</b>	3	3 <i>(Algebra I &amp; higher)</i>	4 <i>(Algebra I &amp; higher)</i>
<b>Science</b>	3	3 <i>(No General Science, At least one lab class)</i>	3 <i>(2 of 3 from Physical Science, Biology, Chemistry &amp; Earth Science)</i>
<b>Social Studies</b>	3 <i>(Including American History and Government)</i>	3	3
<b>Fine Arts</b>	1	1	1
<b>Practical Arts</b>	1.5 <i>(Must include 0.5 credit in Personal Finance or complete alternatives to meet Personal Finance competency)</i>	0	0
<b>PE</b>	1	0	0
<b>Health</b>	0.5	0	0
<b>Electives</b>	11	--	--
<b>Foreign Language</b>	0	0	2
<b>Additional (Core = English, Math, Science, Soc.Studies or Foreign Lang.)</b>	0	3 <i>Foreign Lang. &amp; above core courses. Two Foreign Lang Recommended/ Required by most</i>	<b>Required =3</b> <i>2 Foreign Language and 1 academic elective</i>
<b>TOTAL CREDITS</b>	<b>28</b>	--	--

## **SPECIAL GRADUATION REQUIREMENTS**

### **EOC (END OF COURSE)**

1. Mandated by the Missouri Department of Elementary and Secondary Education to measure student achievement and progress toward postsecondary readiness in selected subjects. Completion of certain subject exams are a state requirement for graduation.
2. Students in Missouri are required to take the Algebra I, Biology, English II and Government assessments.

### **LANGUAGE ARTS**

1. Students must be enrolled in English 1, 2, 3, 4 or Honors English 1, 2, or 3 following the recommended grade placement sequence. English Composition is highly recommended for the college bound student.
2. Four units of English are required for graduation.
3. Foreign language will not fulfill language arts requirements.

### **SOCIAL STUDIES**

1. All ninth grade students will be enrolled in American History.
2. All tenth grade students will take World History.
3. All eleventh grade students must take American Government.
4. The state of Missouri requires all students to earn a full credit of American History and full credit of American Government along with passing the U.S. and Missouri Constitution tests, and the new Civics test.

### **SCIENCE**

1. All ninth grade students will be enrolled in Physical Science.
2. All tenth grade students will be required to take Biology.
3. A third science class is required for graduation.
4. Three units of Vocational Agriculture that are science intensive will count for one unit of science for high school graduation requirements.

### **MATH**

1. All ninth grade students will be enrolled in a math course, Algebra I or Geometry, and then take 2 additional years of math to graduate.

### **FINE ARTS**

1. Art Fundamentals is a prerequisite for all advanced art courses and cannot be taken after the tenth grade, unless approved by the instructor.
2. Mixed Chorus, Girls Choir, Band, Jazz Band and Kammerchor may be repeated for credit with permission of the instructor.

### **PRACTICAL ARTS**

1. The state of Missouri requires all students to earn a Personal Finance Competency. This can be achieved through three paths: 1) 0.5 credit Personal Finance course,
2. Embedded Agribusiness with 70% personal finance assessment, and 3) Test-out option with 90% or above on the personal finance assessment (*requires principal and counselor approval*)

### **PHYSICAL EDUCATION**

1. P.E. is a state requirement and is to be completed by the end of the tenth grade year.
2. After a student has fulfilled the P.E. requirement, P.E. may be taken each year for credit.
3. All freshmen will be required to take the year long course Health & Wellness which fulfills .5 credit of PE and .5 credit of Health requirement. Students will also need to be trained in CPR before graduation.

**Your transcript changes every semester:**

- It will cover all 8 semesters you will be at Hermann High School through your graduation
- It includes grades for each semester, credits earned, class rank, and assessment scores.

**How grades are calculated:**

- You earn grades for each semester course using an ongoing average. You will receive progress reports indicating your ongoing average at Mid-Quarter, Quarter, and then Semester. The only grades that count for your G.P.A. are the final semester grades.

**How G.P.A. is calculated:**

- Points are given for each grade: A=4, B=3, C=2, D=1, F=0
- Add them all together and divide by number of credits.
- Advanced Weighted courses earn extra bonus points of 1/56<sup>th</sup> added onto your cumulative GPA.

**Answers to frequently asked G.P.A. questions:**

- ALL semester grades are averaged in
- Summer school and night school do not replace F's in your G.P.A.
- Raising your G.P.A. is more difficult than lowering it

**How many credits do you need to be promoted?**

- Freshman: promoted from 8<sup>th</sup> grade by Middle School Administration.
- Sophomore: 4 credits
- Junior: 12 credits
- Seniors: 20 (but remember: credits are required per course group to earn a high school diploma)

**Other things to remember:**

- Before you graduate, you will need to complete other criteria for graduation
  - Missouri Constitution Test
  - US Constitution Test
  - Completion of Specified EOC examinations
  - Complete CPR training
  - Pass Civics exam
- Attendance directly affects what grades you earn.

**EDUCATIONAL ALTERNATIVES****Hermann High School Dual Enrollment Guidelines**

DESE guidelines require student to "attend school for at least two instructional hours per day within the district of residence." With our block schedule and each period being 88 minutes, administration requires a student to attend two periods each day at Hermann HS to fully cover the two instructional hours per day. This allows a student to maintain attendance in the school of residence and to still earn a diploma and graduate from Hermann HS. Further, DESE guidelines outline that 3.0 college course credits would transfer back onto the high school transcript as .5 high school credits. Students must apply for dual enrollment with local college as well as with the high school guidance office before the semester begins. This is a wonderful opportunity for students to further grow in their education and career field. Gasconade County R-I Board Policy states that students seeking to apply credits earned through other accredited schools toward graduation requirements must provide the district with verified documentation of the completion of these courses ten (10) working days prior to the graduation ceremony in order to participate in the ceremony. Any student who has otherwise met all requirements for graduation will be granted a diploma, regardless of whether he or she participates in graduation exercises.

### **Credit Recovery**

A student may earn .5 to 1 unit of credit from successful completion of credit recovery courses. Only courses in the core subject areas are available. Students will be offered the opportunity to register for credit recovery at the last progress reporting period for each semester by means of completing and returning a form to sign up for the program to the guidance counselor. Note: Credit recovery availability is subject to minimum enrollment requirement of 10-12.

## **MINIMUM COLLEGE ENTRANCE REQUIREMENTS**

The Missouri Coordinating Board of Higher Education has established a recommended 24-unit high school core curriculum guideline for students who plan to enroll in a Missouri college or university. The CBHE 24-unit high school core curriculum is designed to prepare high school students for access to and success in collegiate-level work.

Keep in mind these are the recommended minimum requirements for admission to public four-year Missouri colleges. The entrance requirements for some colleges may differ from above requirements so it is important to check the requirements for each college.

## **CBHE RECOMMENDED HIGH SCHOOL CORE CURRICULUM**

### **English/ Language Arts**

- 4 units which emphasizes college prep composition, research skills, analysis of literature, and other content of comparable or greater rigor (i.e. English I, English II, English III, English Composition).

### **Mathematics**

- 3 units which emphasizes college prep Algebra and other content of comparable or greater rigor (i.e. Algebra I, Geometry, Algebra II, College Algebra, Pre-Calculus, Calculus). Students who complete Algebra I prior to their freshman year would be expected to complete 3 additional units in grades 9-12.

### **Social Studies**

- 3 units which emphasizes American History, Missouri Government and Missouri History as required by state statute, Geography/ World Civilizations, and other content of comparable or greater rigor.

### **Science**

- 3 units which emphasize college prep Biology, Chemistry, and other content of comparable or greater rigor. Science coursework should include at least one laboratory science.

### **Fine Art**

- 1 unit which emphasizes visual arts, instrumental or vocal music, dance, theatre, or other component of comparable or greater rigor. Critical analysis, theory, or "appreciation" courses may be included.

### **Additional Coursework**

- 3 units required by the State Board of Education. These include 1 unit in practical arts, 1 unit in Physical Education, ½ unit in Health Education, and ½ unit in Personal Finance (or completion of the personal competency as described in Special Graduation Requirements)

### **Electives**

- 7 units of which at least 3 should be in foreign language and/or other courses within the high school core content areas. Two units of a single foreign language are strongly recommended.

## **A+ PROGRAM**

Students who graduate and meet all requirements of the A+ program qualify for two years of tuition reimbursement at a public community college or post-secondary vocational/technical school in accordance with the rules set forth by the Missouri Department of Higher Education. The two years must be complete within four years of the student's graduation from high school. The A+ Schools Program is a State funded program and will be available as long as the state funds are allocated for the program. The tuition reimbursement is not the responsibility of the Gasconade Co. R-I School District.

### **Student Eligibility:**

- Enter into a written agreement with Hermann High School.
- Attend an A+ designated high school for three (3) years prior to graduation.
- Maintain a cumulative GPA of 2.5 or higher on a 4.0 scale (grades 9-12).
- Graduate with an average daily attendance of 95% or higher (grades 9-12).
- Perform fifty (50) hours of district supervised, unpaid tutoring or mentoring; 25% of this requirement may be fulfilled by job-shadowing in an approved setting.
- Perform twenty (20) hours of volunteer service that benefits the School/Community.
- Achieve a Proficient or Advanced score on a Mathematics End of Course Exam OR achieve a qualifying score on the math portion of the ACT or other MDHE approved assessments.
- Maintain a record of good citizenship and avoid the unlawful use/possession of drugs and alcohol.

## **CAREER AND TECHNICAL EDUCATION**

HHS offers several different CTE pathways for students. Approved CTE programs include: Agriculture, Business, Marketing, and Family and Consumer Science. Students are considered a "concentrator" in one of these programs by completing three credits in one program. Concentrators are required to take the appropriate Technical Skills Attainment (TSA or Industrial Recognized Credential assessment (IRC).

### **FOUR RIVERS CAREER CENTER**

Career and Technical Education programs, located on the Four Rivers Career Center campus, teach the highest industry standards utilizing current state of the art technologies. During a student's junior and senior year, a three period/three credit block of time will utilize a practical hands-on instructional method combined with classroom learning, resulting in more real life knowledge through work experiences resulting in a Career Preparatory Certificate. A combined total of six (6) credits can be earned to meet the practical art credit or elective credit requirement.

Students who attend Four Rivers will leave with experience, knowledge, confidence, dignity, and a well-rounded education that will prepare them for a lifetime of success in their career of choice. Employers throughout the East Central Missouri region desire a combination of classroom learning and experience based activity in their search for employees.

## **DISTRICT TESTING PROGRAMS**

### **EOC (END OF COURSE)**

- Mandated by the Missouri Department of Elementary and Secondary Education to measure student achievement and progress toward postsecondary readiness in selected subjects. Assessment in certain subjects are required for graduation.

### **TSA**

- Technical Skills Attainment for Tech Prep program completers.

### **IRC**

- Industry Recognized Credential. Students attending Four Rivers Career Center or completing three credits in a CTE area at HHS will be required to take one of these assessments.

### **Pre-ACT**

- Shortened ACT practice test for 10<sup>th</sup> grade.

### **ACT**

- College entrance test (*optional in 11<sup>th</sup> & 12<sup>th</sup> grade*).

#### ACT WorkKeys

- Assesses work readiness skills.

#### PSAT

- Preliminary SAT and National Merit Scholarship Qualifying test (*optional in 10<sup>th</sup> & 11<sup>th</sup> grade*).

#### ASVAB

- Armed Services Vocational Aptitude Battery, results used primarily for military job placement and also used for career exploration (*taken in 11<sup>th</sup> grade*).

#### Missouri Connections

- A web based resource to assist students with career exploration and establish their educational strategies.

### **NCAA/NAIA CLEARINGHOUSE**

If you are planning to enroll in college and wish to participate in Division I or Division II athletics, you must be certified by the NCAA Initial-Eligibility Clearinghouse. Students are responsible for knowing courses that are not approved by the NCAA and therefore do not count toward completion of specific NCAA requirements. A list of approved courses is available in the Guidance Office and can be found at the NCAA website listed below. The core curriculum classes that are not approved are noted with the course descriptions. Students should start the certification process at the completion of your junior year. There are several steps in the process. For more detailed information and the application materials go to [www.eligibilitycenter.org](http://www.eligibilitycenter.org). or [www.playnaia.org](http://www.playnaia.org).

### **DUAL COLLEGE CREDIT OPTIONS**

**Dual College Credit** courses are taught at Hermann High School by our instructors and cover the same objectives as the college course. Juniors or Seniors who wish to earn dual credit must have a 3.0 GPA, score 18 or above on the ACT, and have completed any prerequisite courses. Students then enroll at Central Methodist University (CMU) and pay the tuition fees at the beginning of the semester. Upon successful completion of the course the student receives credit for both the Hermann High School course and the college course. The student is responsible for determining if his/her chosen college or university accepts the credit from the university. Courses offered as dual credit courses at Hermann are:

<u>Hermann HS Course</u>	<u>Credit Hours</u>	<u>Cooperating University</u>
<b>Advanced American History</b> 1 <sup>st</sup> Semester <i>HI 101 American History to 1865</i>	3	Drury University
<b>Advanced American Hist.</b> 2 <sup>nd</sup> Semester <i>HI 102 Amer. Hist. 1865 to Present</i>	3	Drury University
<b>Political Science</b>	3	Drury University
<b>Psychology</b>	3	Drury University
<b>College Algebra</b> <i>ACT Math subtest score ≥ 22</i>	3	Drury University
<b>Human Biology</b> (BI 106)	4	Central Methodist Univ.
<b>English Composition I</b>	3	Drury University
<b>English Composition 2</b>	3	Drury University

**Dual Credit Grants** are offered each semester by the **Gasconade County Alumni Association**. Requirements include financial need, minimum GPA of 3.0, minimum attendance record of 90%, ACT scores, class rank, and citizenship. Applications are available during dual credit enrollment period in the Guidance Office.

## **CAREER CLUSTERS**

A *Career Cluster* is a group of occupations and broad industries based on commonalities. The *16 Career Clusters* organize academic and occupational knowledge and skills into a coherent course sequence and identify pathways from secondary schools to two and four-year colleges, graduate schools, and the workplace. Students will learn in school about what they can do in the future. This connection to future goals motivates students to work harder and enroll in more rigorous courses. The counselor will be working with students throughout the high school using the Missouri Connections program ([www.missouriconnections.org](http://www.missouriconnections.org)). This program will assist students in determining which Career Cluster best fits the students' interests and skills.

### **The 16 Career Clusters**

#### **Agriculture, Food & Natural Resources**

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

- Agribusiness Systems
- Animal Systems
- Environmental Service Systems
- Food Products and Processing Systems
- Natural Resources Systems
- Plant Systems
- Power, Structural and Technical Systems

#### **Architecture & Construction**

Development of a career in designing, planning, managing, building and maintaining the built environment.

- Construction
- Design and Pre-Construction
- Maintenance and Operations

#### **Art, A/V Technology & Communications**

Designing, producing, exhibiting, performing, writing and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

- Audio and Video Technology and Film
- Journalism and Broadcasting
- Performing Arts
- Printing Technology
- Telecommunications
- Visual Arts

#### **Business Management & Administration**

Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.

- Administrative Support
- Business Information
- General Management
- Human Resources Management
- Operations Management

#### **Education & Training**

Planning, managing and providing education and training services, and related learning support services.

- Administration and Administrative Support
- Professional Support Services
- Teaching and Training

**Finance**

Planning, services for financial and investment planning, banking, insurance, and business financial management.

- Accounting
- Banking Services
- Business Finance
- Insurance
- Securities and Investments

**Government & Public Administration**

Executing governmental functions to include Governance; National Security; Foreign Services; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.

- Foreign Service
- Governance
- National Security
- Planning
- Public Management and Administration
- Regulation
- Revenue and Taxation

**Health Science**

Planning, managing, and providing therapeutic services, diagnostic services, health information, support services, and biotechnology research and development.

- Biotechnology Research and Development
- Diagnostic Services
- Health Informatics
- Support Services
- Therapeutic Services

**Hospitality & Tourism**

Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.

- Lodging
- Recreation, Amusements and Attractions
- Restaurants and Food and Beverage Services
- Travel and Tourism

**Human Services**

Preparing individuals for employment in career pathways that relate to families and human needs.

- Consumer Services
- Counseling and Mental Health Services
- Early Childhood Development and Services
- Family and Community Services
- Personal Care Services

**Information Technology**

Building Linkages in IT Occupations Framework; For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.

- Information Support and Services
- Network Systems
- Programming and Software Development
- Web and Digital Communication

**Law, Public Safety, Corrections & Security**

Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

- Correction Services
- Emergency and Fire Management Services
- Law Enforcement Services
- Legal Services
- Security and Protective Services

**Manufacturing**

Planning, managing, and performing the processing materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

- Health, Safety and Environmental Assurance
- Logistics and Inventory
- Maintenance, Installation and Repair
- Manufacturing Production Process Development
- Production
- Quality Assurance

**Marketing, Sales & Service**

Planning, managing, and performing marketing activities to reach organizational objectives.

- Marketing Communications
- Marketing Management
- Market Research
- Merchandising
- Professional Sales

**Science, Technology, Engineering & Mathematics**

Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development.

- Engineering and Technology
- Science and Mathematics

**Transportation, Distribution & Logistics**

Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

- Facility and Mobile Equipment Maintenance
- Health, Safety and Environment Management
- Logistics Planning and Management Services
- Sales and Service
- Transportation Operations
- Transportation Systems
- Warehousing and Distribution Center Operation

# Post-Secondary Options after Graduation

## **Four Year Colleges and Universities** (Example: MU, UCM, MSU, Lindenwood)

- Use the Planning for College Handbook to guide you through this option.
- Have to meet admission requirements set by the college

## **Two Year Community Colleges** (Example: ECC, MACC, SCC)

- Certificate Programs
- Associates Degree
- Bridge Programs that transfer you on to a four year university
- Open application-everyone gets accepted. May have specific requirements to get into your program of study.

## **Technical Schools:** (Example: State Technical College in Linn, Ranken)

- Certificate Programs
- Associates of Applied Science
- Meet admission requirements for desired program

## **Certification Programs**

- Midwest Welding Institute
- Cosmetology Programs
- Four Rivers Career Center

## **Apprenticeship Programs**

- Laborer's Apprenticeship Training Program-High Hill, MO
- Heavy Equipment Operation-Silex

## **Employment**

- Create resume
- Learn how to complete an employment application
- Network!
- Take the WorkKeys Test

## **Military**

- Learn a trade
- GI Bill-get a degree

## Transcript Audit

English-4 credits \_\_\_\_\_

Math-3 credits \_\_\_\_\_

Science-3 credits \_\_\_\_\_

Social Studies-3 credits \_\_\_\_\_ (must include Govt. & Amer. History)

Practical Art-1 credit \_\_\_\_\_

Personal Finance-1/2 credit \_\_\_\_\_

Fine Art-1 credit \_\_\_\_\_

P.E.-1 credit \_\_\_\_\_

Health-1/2 credit \_\_\_\_\_

Electives-11 credits All classes above the minimum requirements will spillover into this elective category.

Total Credits Still Needed: \_\_\_\_\_ (28 required for HHS)

End of Course Exams: Algebra Biology English 2 Government

Missouri Constitution Test: \_\_\_ Passed United States Constitution Test: \_\_\_ Passed

CPR Requirement: \_\_\_\_\_ Complete

A.P.R. Tests: ASVAB ACT ACT WorkKeys  
(Need at least one if at all possible)

### Post Secondary Plans:

\_\_\_ College/University: \_\_\_\_\_  
Major: \_\_\_\_\_

\_\_\_ Community College/Tech School: \_\_\_\_\_  
Major: \_\_\_\_\_

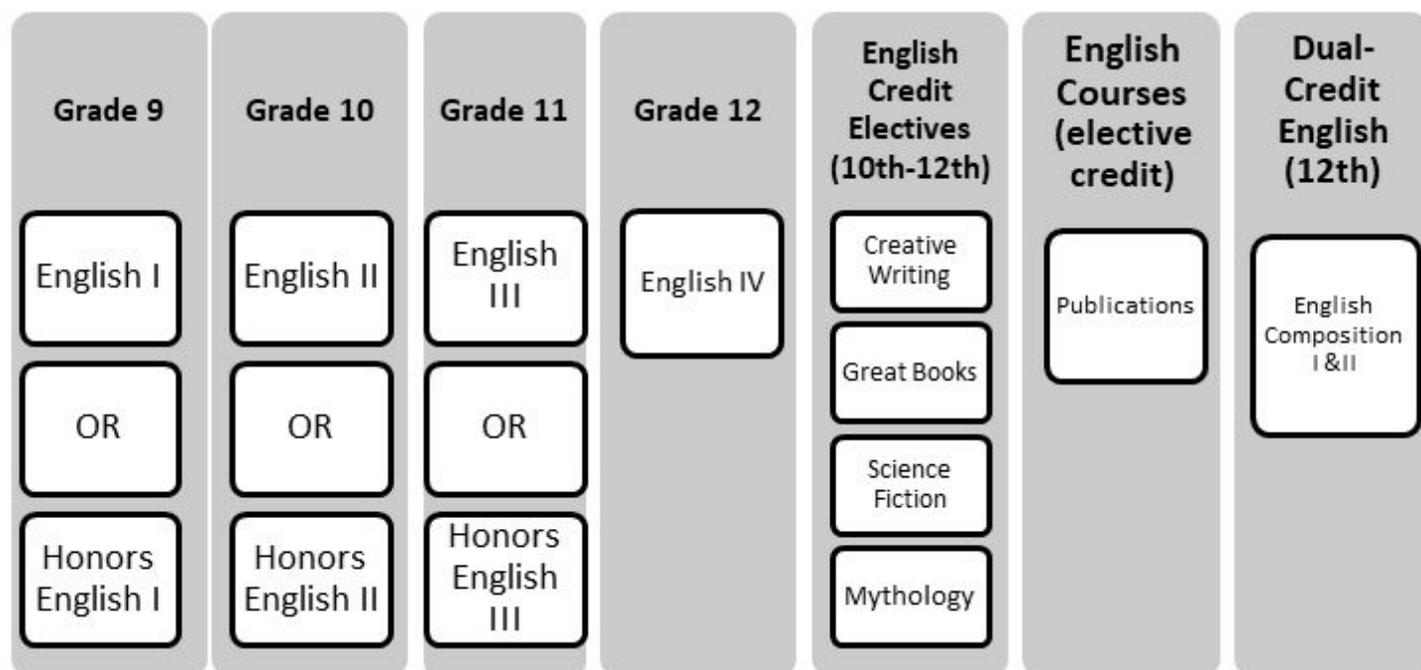
\_\_\_ Military: \_\_\_\_\_

\_\_\_ Other: \_\_\_\_\_

# Core Courses

## ENGLISH

### SEQUENCE OF COURSES



## COURSE DESCRIPTIONS

### 0101 ENGLISH I

1 credit, Full Year, Grade 9 NCAA: Yes

This course is designed to develop a better understanding of the English language and to establish better communications skills. Literary selections, grammar usage, spelling, vocabulary, and writing skills are the basic elements to be covered.

### 0121 HONORS ENGLISH I

1 credit, Full Year, Grade 9

NCAA: Yes

*Prerequisite:* Strong eighth grade English grade (90% or better) and teacher recommendation

An alternative to English I, this course is open to freshmen who have mastered the basic writing skills. Students will explore writing styles and techniques. Basic keyboard knowledge is helpful. Enrollment is limited to students with an A- or better in eighth grade English and the recommendation of the teacher

**0102 ENGLISH II***1 credit, Full Year, Grade 10*      NCAA: Yes

English 2 is an extension of English 1 that builds upon and reiterates literary vocabulary and reading/writing strategies. Students will read various forms of both fiction and nonfiction and work to demonstrate competency by the end of English 2 without the reliance of teacher scaffolding. Part of the focus of English 2 is the opportunity to read texts from outside the American or British English canon.

**0122 HONORS ENGLISH II***1 credit, Full Year, Grade 10*      NCAA: Yes

Prerequisite: *Ninth grade Honors English, or B+ or better grade in English I & teacher recommendation*

An alternative to English 2, the honors section provides the opportunity for college bound students to foster skills useful in the higher academic setting, and particular the usage of analysis and higher order questioning with literature. Students will participate in academic conversation, writing in various forms, and reading different texts from across the globe. Students need a strong sense of intrinsic motivation, a commitment to excellence, and readiness to work outside of class.

**0103 ENGLISH III***1 credit, Full Year, Grade 11*      NCAA: Yes

This course will be taught to all juniors at Hermann High School. Classes will take a chronological look at American literature while reviewing writing skills in essay forms, paragraph styles (*as preparation for MAP testing*), poetry variations, letter writing, resume writing, and research papers. Time will be provided for a career unit, allowing students to research their opportunities for education, training, and job placement.

**0130 HONORS ENGLISH III (W)***1 credit, Full Year, Grade 11*      NCAA: Yes

Prerequisite: *Honors Eng II or B + in English II & teacher recommendation*

This course will focus heavily on college preparation and will allow students to use higher-order thinking skills to complete activities and assignments. More challenging writing styles and formats will be utilized to guide students into college awareness.

**0104 ENGLISH IV***1 credit, Full Year, Grade 12*      NCAA: Yes

The central purpose of English IV is to cultivate the critical thinking, reading, writing, and oral skills required for students' post-graduation ambitions. English IV is a more condensed version of English Composition. In this class, students will learn to write from a variety of genres for different audiences in purposes, but will also study a variety of writing to better critically evaluate and analyze the literary world around us. Reading will range from a variety of genres to better help students grow in all genres of writing. In addition, students will continue to develop and use vocabulary and grammar skills necessary in the workplace and in college. English IV curriculum encourages students to become more reflective and to further develop their collaborative and independent study skills, their written and oral discourse, and their exploration and understanding of philosophical ideas.

**0151 ENGLISH COMPOSITION I***½ credit, One Semester, Grade 12*      NCAA: Yes

*(Dual Credit optional) 3.0 GPA and 18 on ACT*

Prerequisite: *Three years of English*

This course is intended to give you an opportunity to develop the organizational and expository skills that provide a good foundation for the kind of writing you will be expected to do during your college career. The focus is on mastering common organizational patterns and elements, including narration, comparison, summary, definition, cause and effect, and process analysis. You will write primarily about personal experience and ideas in the context of selected readings that exemplify the various styles you will explore.

**0152 ENGLISH COMPOSITION II***½ credit, One Semester, Grade 12*      NCAA: Yes

Prerequisite: *English Comp I with a grade of C or above. (Dual Credit optional ) 3.0 GPA and 18 on ACT*

This course extends the lessons learned in Composition I with a focus on research writing and using sources to support written arguments. The course provides opportunities to develop and hone critical thinking, reading, writing, and rhetorical skills; to explore complex issues from various perspectives, to communicate about issues clearly and effectively in writing; to understand rhetorical situations and tactics, and to argue persuasively for your own position; to effectively use sources to support your position; and to properly document the sources that you use. Students will also be actively engaged in writing in response to literature, applying the various modes of composition to a selection of culturally significant texts.

**0113 CREATIVE WRITING***½ credit, One Semester, Grades 10-12 NCAA: Yes*

This course is designed to introduce students to methods of composing both fiction and poetry. It exposes students to narrative techniques, methods of characterization, and a variety of narrative forms. By examining examples of stories, students will learn to discern elements of style and how components such as word choice, syntax, rhythm, mood, tone, atmosphere and punctuation for emphasis are manipulated toward a collective “overall intended effect”. This course will also develop students’ ability to critique their own work and the work of others.

**0115 MYSTERY LITERATURE***½ credit, One Semester, Grades 10-12 NCAA: Yes*

Here’s a clue to the subject matter of this course: Mrs. Peacock in the conservatory with the lead pipe. In this semester-length course, students will learn about the history and characteristics of mystery literature. Students will read a variety of mystery works and will write creatively within the genre as well as analytically about the genre.

**0116 SCIENCE FICTION***½ credit, One Semester, Grades 10-12 NCAA: Yes*

Philosophical, mythic, prophetic, ominous, irreverent, escape-oriented....these descriptions and more have been applied to science fiction. In this semester-length course, students will learn about the history and characteristics of these two genres. Students will read a variety of works and will write creatively within the genres and analytically about the genres.

**0117 PUBLICATIONS (Yearbook)***1 credit, Full Year, Grades 10-12 NCAA: NO*

Prerequisite: *Instructor permission, GPA 2.5 (Teacher surveys required)*

This is a class designed to fit anyone interested in photography, business, graphic design, or writing. It is a class best suited to those who are capable of working independently as well as in groups. These students create the yearbook during class; however, event coverage, sales, and interviewing takes place outside the classroom. To join yearbook, you will need to have three teachers complete a survey. This course does not count as a Language Arts credit, but does look great on a resume. Surveys are available in the Guidance Office.

**0114 MYTHOLOGY (Out of rotation 2019-20)***½ credit, One Semester, Grades 10-12 NCAA: Yes*

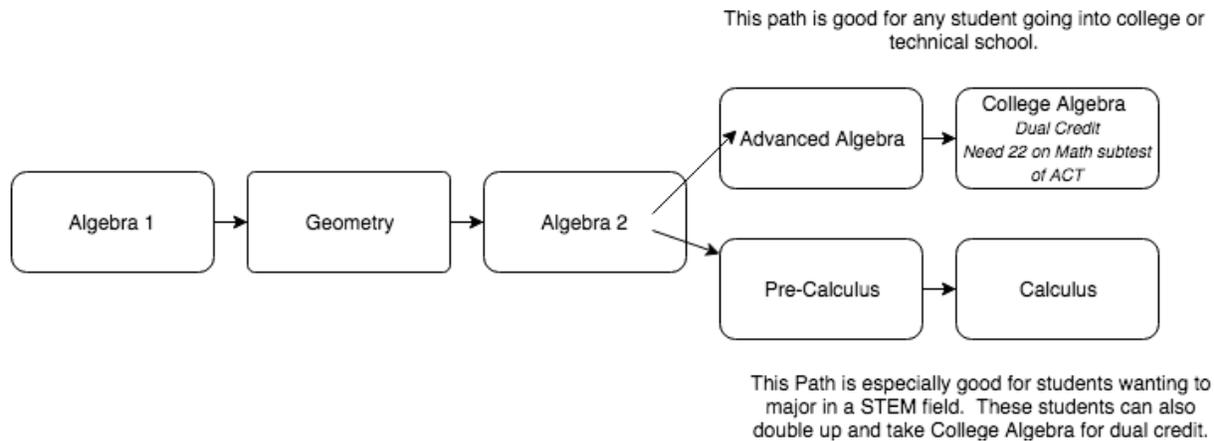
Students enrolled in mythology will be introduced to a variety of different types of western mythologies including classic Greek and Roman, Celtic, and Medieval. The focus of the class will be on studying the themes and cultural importance of mythical elements in the modern world. Students will gain knowledge of world cultures and arts by evaluating and analyzing specific legends and myths throughout history.

**0120 GREAT BOOKS (Out of rotation 2019-20)***½ credit, One Semester, Grades 10-12 NCAA: Pending*

Some books are part of our common cultural heritage. If given the opportunity, books-and especially this sort of book-can change who you are and how you approach your future. Many adults can enthusiastically tell you all about the books that helped to form their minds and character. In the course Great Books, we will discuss the power of friendship, personal discovery, individual tragedy, and American struggles. During this semester long course, students will read novels, examine the experiences, consequences, and legacies while integrating technology into an immersive experience to draw clear links between the character’s conflicts and the problems that today’s teens have to face.

## MATHEMATICS

### SEQUENCE OF MATH CLASSES



## COURSE DESCRIPTIONS

**NOTE: STUDENTS ARE NOW REQUIRED TO PROVIDE THEIR OWN TI-30XS CALCULATOR (OR EQUIVALENT CALCULATOR)**

### 0305 ALGEBRA I

*1 credit, Full Year, Grade 9-10 NCAA: Yes*

Prerequisite: none

This is the first required course in the sequence. Some students may have completed this course in 8<sup>th</sup> grade and will take Geometry in 9<sup>th</sup> grade.

This course will study:

- Connections to Algebra
- Properties of Real Numbers
- Solving Linear Equations
- Graphing Linear Equations and Functions
- Writing Linear Functions
- Solving and Graphing Linear Inequalities
- Systems of Linear Equations and Inequalities
- Exponents and Exponential Functions
- Quadratic Equations and Functions
- Polynomials and factoring

**0306 GEOMETRY**

1 credit, Full Year, Grades 9-10 NCAA: Yes

Prerequisite: Completion of Algebra I.

This is the second required course in the sequence.

This course will study:

- Essentials of Geometry
- Reasoning and Proof
- Parallel and Perpendicular Lines
- Congruent Triangles
- Relationships within Triangles
- Similarity
- Right Triangles and Trigonometry
- Quadrilaterals
- Properties of Transformations
- Properties of Circles
- Measuring Length and Area
- Surface Area and Volume of Solids

**0310 ALGEBRA II**

1 credit, Full Year, Grades 10-12 NCAA: Yes

Prerequisite: Successful completion of Geometry.

This is the third required course in the sequence.

This course will study:

- Quadratic Functions and Factoring
- Polynomials and Polynomial Functions
- Rational Exponents and Radical Functions
- Exponential and Logarithmic Functions
- Rational Functions
- Sequences and Series
- Trigonometric Ratios and Functions
- Data Analysis and Statistics

**0360 ADVANCED ALGEBRA**

1 credit, Full Year, Grade 11-12 NCAA: Yes

Prerequisite: At least a C- in Algebra 2

This course is designed for students who want to strengthen their algebra skills for the ACT and college math placement tests.

This course will study:

- Equations and Inequalities
- The Cartesian Plane and Graphs
- Functions and Graphs
- Polynomial and Rational Functions
- Exponential and Logarithmic Functions
- Systems of Equations and Inequalities
- Matrices and Determinants
- Sequences, Series, and Probability
- Conics
- Complex Numbers

**0350 COLLEGE ALGEBRA** (*Online dual credit course*) 1/2 credit, One Semester, Grades 11-12 NCAA: Yes

Prerequisite: ***Must also have an ACT math subtest score  $\geq 22$ .***

This course is for the college bound student who is going into a field not requiring the study of calculus. It will prepare students, whether they are going into advanced college mathematics or only need one college math credit for their major. The primary goal is to encourage students to develop their understanding of Algebra and see how it is a modeling tool for real-life problems. This course continues with more advanced algebraic concepts using the graphics calculator in solving many of the problems.

**0320 PRE-CALCULUS (W)**

1 credit, Full Year, Grades 11-12 NCAA: Yes

Prerequisite: *At least a B- in Algebra II*

This course is designed for students who plan to study science, technology, engineering, or math (STEM) in college.

This course will study:

- The Trigonometric Functions
- Graphs of Trigonometric Functions
- Trigonometric Identities and Equations
- Vectors and Parametric Equations
- Polar Coordinates and Complex Numbers
- Conics
- Sequences and Series
- Introduction to Calculus

**0340 CALCULUS (W)**

1 credit, Full Year, Grade 12 NCAA: Yes

Prerequisite: *Pre-calculus with a minimum grade of B-*

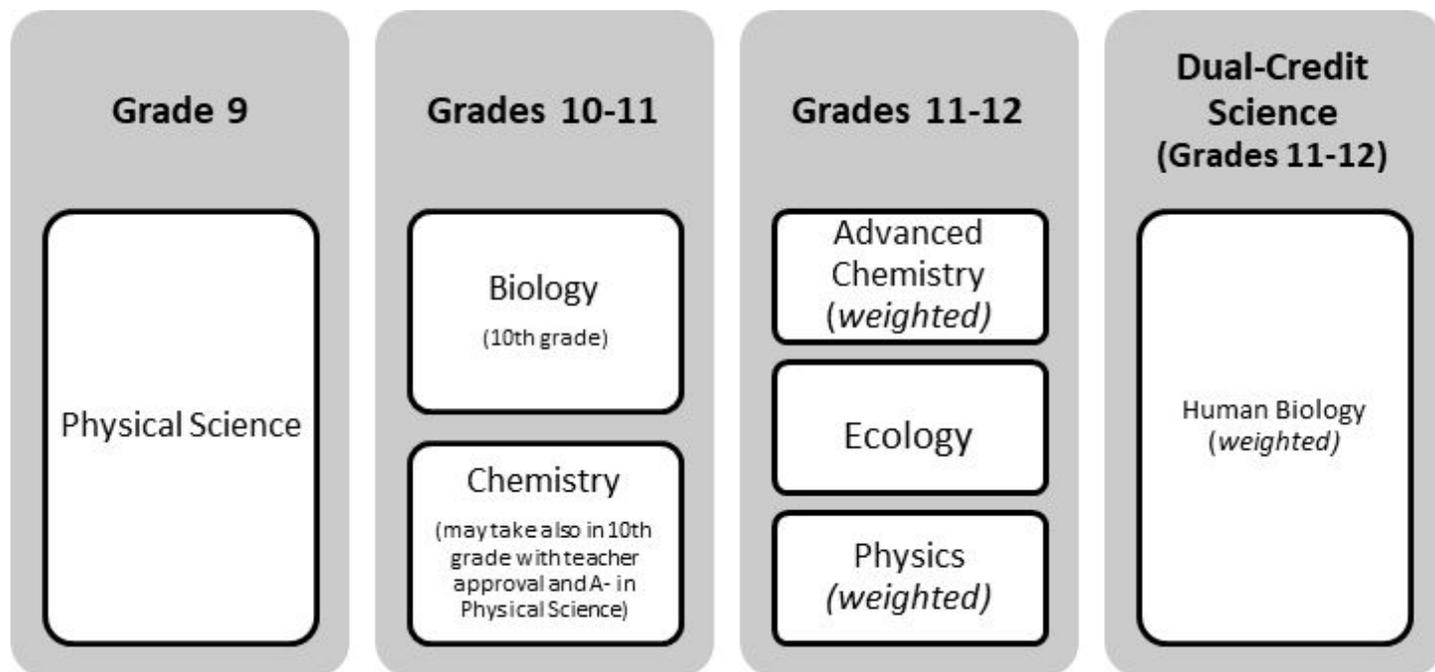
This course is designed for students who plan to study science, technology, engineering, or math (STEM) in college.

This course will study:

- Algebra Review
- Limits and Continuity
- Functions and Graphs
- Differentiation Basic Topics
- Differentiation Further Topics
- Exponential and Logarithmic Functions
- Antidifferentiation
- Integration
- Trigonometric Functions

## SCIENCE

### SEQUENCE OF SCIENCE COURSES



## COURSE DESCRIPTIONS

### **0401 PHYSICAL SCIENCE** (Entry-level course for freshmen) 1 credit, Full Year, Grade 9 NCAA: Yes

Physical Science includes a semester of basic physics and a semester of basic chemistry. The physics semester will emphasize the study of force, motion, and energy using laboratory experiences. The chemistry semester will concentrate on the study of matter, its properties and uses, and the changes that matter undergo. Laboratory experiences will be continued through this semester. Earth science topics will be integrated throughout both semesters.

### **0402 BIOLOGY**

1 credit, Full Year, Grades 10 NCAA: Yes

Biology will provide students with the opportunity to study living things. The course gives a comprehensive view of living organisms from the cellular level to their interactions with the environment. This class is a prerequisite for anatomy and physiology.

### **0403 CHEMISTRY**

1 credit, Full Year, Grades 10-12. NCAA: Yes

Prerequisite: Biology or with concurrent enrollment in Biology and having taken Algebra I and an A- in Physical Science. The purpose of this course is to prepare students for a college level chemistry course or the Advanced Chemistry course. It is a traditional course covering atomic structure, bonding, properties of matter, and reactions. Additional topics covered are measurement, the language of chemistry, physical changes of matter, and solutions. This course is also an essential prerequisite for Advanced Chemistry.

**0410 HUMAN BIOLOGY (Dual Credit Optional) (W)** 1 credit, Full Year, Grades 11-12. NCAA: Yes

Prerequisite: Biology with a minimum grade of B-

This course will offer students an opportunity to expand their knowledge of the human body and its workings. It is designed for those students desiring to enter a health related profession. Comparative anatomy through fetal pig and organ dissection will comprise a major portion of this course.

Note: The student will have the option of enrolling for college credit from Central Methodist University. The student must maintain a B or A grade in the class.

**0420 ADVANCED CHEMISTRY (W)** 1 credit, Full Year, Grades 11-12 NCAA: Yes

Prerequisite: Algebra II and Chemistry with a minimum grade of A-, or instructor approval

This is a second year chemistry course that is very comparable to a first year Inorganic Chemistry course in college. Most of the topics covered in first year chemistry are reviewed and applied at a more challenging level. This course will also include a detailed introduction to gas laws, colligative properties and concentration, equilibrium, acids and bases, thermodynamics, nuclear chemistry, and organic chemistry. Students should be aware that the level of expectation for their performance is significantly greater than for the first year course and will require a higher degree of preparation than the first year course

**0430 PHYSICS (W).** 1 credit, Full Year, Grade 12 NCAA: Yes

Prerequisite: Pre-Calculus Grade of A or B, and teacher approval.

The purpose of this course is to give any student a better understanding of the physical universe. Major topics include the study of forces, sound, heat, light, electricity, the structure of matter, and nuclear physics. The underlying theme is energy and its transformation. This is an essential course for pre-engineering students and science majors.

**0440 ECOLOGY** ½ credit, One Semester, Grades 11-12 NCAA: Yes

Ecology is the study of the relationships between organisms and their environments. Students will focus on both living and non-living factors of an environment and how changes in these factors cause patterns that we see in everyday life. This course will identify the methods used by ecologists and focus on both local and global environmental issues. Some of the topics will be natural selection, population biology, biodiversity, and sustainability. It is essential to have an understanding of ecology as it provides insights and solutions to many of the environmental issues that face our society. Students will gain knowledge of how scientific methods were and still are applied to ecology in order to build an understanding of how organisms and their environment rely on one another.

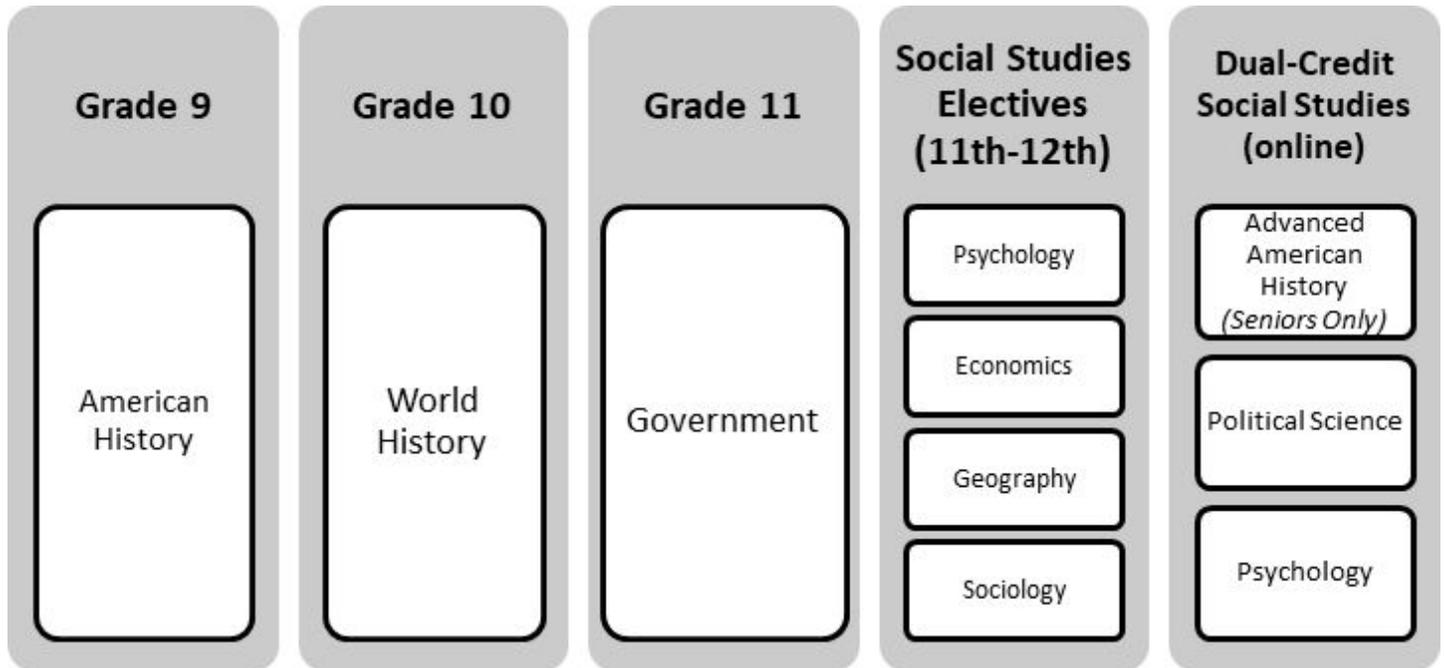
**1308 INTERNSHIP: LASERLIGHT INDUSTRIES** 1 credit, Full Year, Grade 12

Prerequisite: Must be enrolled in Calculus and Physics

This internship is by application where only one student will be chosen to fill this internship position at Laserlight Industries. This internship is a great opportunity for a student who is strongly considering engineering as career path.

## SOCIAL STUDIES

### SEQUENCE OF COURSES



## COURSE DESCRIPTIONS

### 0517 AMERICAN HISTORY

*1 credit, Full Year, Grade 9 NCAA: Yes*

American History will begin with Reconstruction (1865) and unravel towards present day America. The objective of the class will be to discuss the economic, political, military and cultural changes undergone by the United States during this period. This course fulfills the state requirement for U.S. History.

### 0502 WORLD HISTORY

*1 credit, Full Year, Grade 10 NCAA: Yes*

During the first semester of the course, the students will analyze ancient, classical and medieval times with regard to the people, governments, and cultures of these periods. The 2nd semester will focus on the rapid evolution of the world from the time of the Renaissance through the World Wars. Students will study the above areas through readings, individual research, class discussion, and lecture. Current topics in local and world news will be addressed as well as geographical locations and cultural aspects of those areas.

### 0503 AMERICAN GOVERNMENT

*1 credit, Full Year, Grade 11-12 NCAA: Yes*

This is a required class for juniors that will offer comprehensive instruction in the structure and function of Federal, State, Local Government, and political systems. Historical foundations of our constitution and the principles on which our government is built are also studied. Current topics in local and world government will be addressed as well as geographical locations and cultural aspects of those areas. *This fulfills the state requirement for government as well as constitutional testing.*

**0501 GEOGRAPHY***½ credit, One Semester, Grades 10-12 NCAA: Yes*

*Prerequisite:* Student must have passed last full-year social studies course or obtain instructor's approval.

World Geography is a semester course outlining the human, physical and economic geography of the Eastern Hemisphere and Eastern Civilizations. During the semester the following areas will be studied; the Middle East and Persian Gulf, China & Southeast Asia, India, and Africa.

**0506 PSYCHOLOGY***½ credit, One Semester, Grades 11-12 NCAA: Yes*

*Prerequisite:* Student must have passed last full-year social studies course or obtain instructor's approval.

This course is designed to provide the students with an opportunity to better understand others and themselves by investigating the theories behind human thought and behavior. Topics for discussion will include, but are not limited to, the approaches to psychology, motivation and emotion, learning and memory, and psychological disorders. Discussion and lecture, reinforced by the use of a textbook, will be the primary components of instruction.

**0507 SOCIOLOGY***½ credit, One Semester, Grades 11–12 NCAA: Yes*

*Prerequisite:* Student must have passed last full-year social studies course with a "C" or obtain instructor's approval. In Sociology we will examine the various ways in which people interact with one another in a society. We will study relationships between and within various social groups and institutions. Current events in society will be analyzed to emphasize basic sociology concepts.

**0532 PSYCHOLOGY (Dual Credit Option)***½ credit, One Semester, Grades 11-12 NCAA: Yes*

*Prerequisite:* Grade of B or above in all previous social studies courses.

Students with GPA of 3.0 or higher and an ACT of 18 may enroll for college credit from Drury University.

**0533 POLITICAL SCIENCE (Dual Credit Only)***½ credit, One Semester, Grades 11-12. NCAA: Yes*

*Prerequisite:* Grade of B or above in all previous social studies courses.

Students with GPA of 3.0 or higher and/or ACT of 18 may enroll for college credit from Drury University.

**0531 ADVANCED AMERICAN HISTORY (Dual Credit Only)***1 credit, Full Year, Grade 12 NCAA: Yes*

*Prerequisite:* Grade of B or above in all previous social studies courses.

Advanced American history is designed to give an in depth coverage of the subject. This course is designed for motivated students who wish to learn both their nation's history in depth, as well as to learn in a format which will be more reflective of what they can expect in college. *This course fulfills the state requirement for U.S. History.* The cut off point between the two semesters will be approximately the year 1865. Students with GPA of 3.0 or higher and an ACT of 18 may enroll for college credit from Drury University.

**1306 ECONOMICS***½ credit, One Semester, Grades 10-12 NCAA: Yes*

This course teaches the American Enterprise System, its parts, and what makes it work. The course will also show how our system relates to the world economy, including the impact of international events on economics. The course is recommended for students interested in pursuing marketing-related careers.

## FINE ARTS

### MUSIC

## COURSE DESCRIPTIONS

### 1001 WIND ENSEMBLE

1 credit, Full Year, Grades 9-12

*Prerequisite: Student must be academically eligible for MSHSSA competition.*

This is the school's primary public performing band. This ensemble appears as the Marching Band at football games and competitions, as the Pep Band at Basketball games, and as the Wind Ensemble at the fall/winter/spring band concerts/festivals. In this class, a large quantity of quality and high level wind ensemble literature is performed, ranging from Grade 2-5. Prerequisites include participation in 6-8th grade band (or equivalent). Basic instrumental music performance skills are required and advanced skills will be introduced. An emphasis is placed on group performance, responsibility, self-accountability, musicianship, and instrumental technique. The student will better understand the role of music in history and culture and appreciate its value in everyday life.

### 1011 JAZZ BAND

1 credit, Full Year, Grades 9-12

*Prerequisite: Be a current Concert Band member or Instructor approval is required. Student must be academically eligible for MSHSSA competition.*

The purpose of Jazz Band is to educate students about one of American's finest art forms. Students will learn jazz theory, styles and improvisation. They will perform in concerts in and out of town, in festivals and contests, and will have the opportunity to perform with guest artists and clinicians. This is a performance-based class, which means that students are required to perform in all concerts and rehearsals. Grades are based on class participation and class preparation. Students will be allowed into the class via application and teacher approval. The class size will allow for five trumpets, five trombones, two alto saxes, two tenor saxes, one baritone sax, two pianists, two bassists, and two percussionists. Clarinets, flutes and guitars will be allowed on director approval.

### 1002 MUSIC APPRECIATION

½ credit, One Semester, Grades 9-12

Music Appreciation will comprehensively examine the field of music in as many avenues as possible to determine the value and purpose of this aural art in society and on a personal level. This class will examine the history of music, musical notation, traditional and multi-cultural music, improvisation, and composition. This course is designed to challenge the student to gain a deeper and more meaningful understanding of music.

### 1007 FUNDAMENTALS OF MUSIC

½ credit, One Semester, Grades 9-12

The purpose of the percussion/piano ensemble is to offer students a well-rounded approach to learning basic musicianship through performance. The course begins with remedial piano and will evolve into a percussion ensemble. Students will have the opportunity to develop their skills in all areas of piano and a variety of percussion instruments; including mallets, tuned and non-tuned percussion, and auxiliary instruments. The students will participate in numerous types of percussion ensembles. The students will also be responsible for completing weekly assignments directed toward developing basic technique.

### 1006 GIRLS CHOIR

1 credit, Full Year, Grades 9-12

*Prerequisite: Mixed Chorus and/or Director approval. Student must be academically eligible for MSHSSA competition.*

Girls Choir is a performance class open to girls in grades 9-12 who have successfully completed Mixed Chorus at the middle school or high school and/or have teacher approval. The choir will introduce students to three-part women's choral literature and further singing skills. Performances may be out of school time and are mandatory.

### 1003 MIXED CHORUS

1 credit, Full Year, Grades 9-12

*Prerequisite: Student must have a desire to sing*

The student will better understand music and its role and place in society. They will appreciate its entertainment value in daily life. Basic musical skills such as music reading and singing technique are introduced and rehearsed. An emphasis is placed on group performance. Students who wish to take Mixed Chorus a 2<sup>nd</sup> year must obtain approval.

### 1004 KAMMERCHOR

1 credit, Full Year, Grades 9-12

*Prerequisite: Student must be academically eligible for MSHSSA competition and have permission from Director. MSHSAA guidelines are followed to participate at festivals.*

This is the school's primary public performing choir. In this class, a large quantity of quality chorus literature is covered. Basic musical and singing skills are needed. Advanced skills are introduced. An emphasis is placed on group performance. The student will better understand the role of music in history and culture and appreciate its value in everyday life.

## FINE ARTS

### DRAMA

#### COURSE DESCRIPTIONS

##### **0108 THEATRE ARTS**

*½ credit, One Semester, Grades 10-12*

Theatre Arts is a broad based course which covers all aspects of the dramatic arts. Students in this class will explore: Method Acting, stage management, set design and construction, dramatic literature, stage lighting and sound, and directing. Students in this class are responsible for the design and construction of the sets for the two productions staged by Hermann High School each year.

## FINE ARTS

### VISUAL ARTS

#### COURSE DESCRIPTIONS

##### **0911 WORLD ARTS AND CRAFTS**

*½ credit, One Semester, Grades 9-12*

World Arts and Crafts provides a craft focus for students who want an alternative to traditional drawing and painting courses. It is a hands-on course designed to give students opportunities to develop skills in a variety of craft techniques such as calligraphy, batik, bookmaking, jewelry making, decoupage, basketry, weaving, knitting, and printmaking to name a few. The course delves into the history of each craft and its application to today's society. Through art-making experiences, students will become more aware of how a culture's art is influenced by geography, culture, social and historical events. Each student will develop an individual information based portfolio. The class will design a business based on a craft and market their product.

##### **0901 ART FUNDAMENTALS**

*½ credit, One Semester, Grades 9-10*

This is an introductory course to foster understanding and appreciation of art forms and the impact of art on all aspects of our environment. To prepare students for further art study they will study the language of art with emphasis on the elements of art, principles of design, art history, art production, and art criticism. Students will explore various compositional, drawing, painting, and design projects.

##### **0902 DRAWING 1**

*½ credit, One Semester, Grades 9-12*

Prerequisite: *Art Fundamentals with "C+" or better*      *\$10 supply fee*

Students will learn to create the illusion of three-dimensional form on a two-dimensional surface by using blending, stippling, hatching, and crosshatching techniques. Subject matter includes still life, human figure, portraiture, landscape, and imaginative subject matter. Pencil, charcoal, pastel, conte crayon and pen and ink are the major media explored. Students are expected to express their knowledge of the elements of art and principles of design in their work. Emphasis is on drawing from direct observation and on the creation of original images. Sketchbook assignments to be completed as homework are required. Students keep a portfolio of their work.

##### **0912 DRAWING 2**

*½ credit, One Semester, Grades 10-12*

Prerequisite: *Drawing 1 with "C+" or better*      *\$10 supply fee*

This is a continuation of Drawing 1 building skills at a higher level of difficulty. Students will be exposed to a wide variety of media and emphasis will be on conceptual art and solving their own design problems. This is an in-depth study with an emphasis on life drawing. Students are involved in self-critiques, as well as class critiques. Students keep a portfolio of their work.

##### **0903 PAINTING 1**

*½ credit, One Semester, Grades 10-12*

Prerequisite: *Drawing 1 with "C+" or better*

*\$10 supply fee*

Students will explore painting techniques and study the development of painting history. Subject matter includes still life, human figure, portrait, landscape, and imaginative subject matter. A variety of media are used which may include tempera, watercolor, acrylic, oil pastel, and oil paint. Emphasis is placed on rendering from observation and the creation of original images. Students will be asked to take photographs to use for painting reference and keep sketchbooks for planning.

**0913 PAINTING 2***½ credit, One Semester, Grades 10-12*Prerequisite: *Painting 1 with "C+" or better**\$10 supply fee*

This course is a continuation of Painting 1 building skills at a higher level of difficulty. Students deal with painting in various media and with conceptual ideas in art and learn to advance their own problem solving abilities. Students will be asked to take photographs to use for painting reference and keep sketchbooks for planning.

**0905 CERAMICS 1***½ credit, One Semester, Grades 9-12*Prerequisite: *C+ or better in Art Fundamentals \$10 supply fee*

Students will gain an understanding of three-dimensional art that deals with the clay medium. Students design and build pottery using traditional hand-building methods such as slab, coil, and pinch pottery. They also use the potter's wheel to create original ceramic pieces. Students are expected to use their knowledge of the elements of art and principles of design to solve three-dimensional problems in clay, as well as develop the terminology related to the ceramic medium.

**0910 CERAMICS 2***½ credit, One Semester, Grades 10-12*Prerequisite: *C+ or better in Ceramics 1**\$10 supply fee*

Ceramics 2 is a continuation of Ceramics 1. Students are expected to use their knowledge of the elements of art and principles of design to solve their three-dimensional problems in clay. Students design and build pottery using basic skills mastered in Ceramics 1 at a higher level of difficulty. Greater emphasis will be placed on problem solving and the creation of original art.

**0904 INDEPENDENT STUDY COMPUTER IMAGING***½ credit, One Semester, Grades 11-12*Prerequisite: *Drawing 1 with B or better/ Instructor Approval**\$10 supply fee*

This course is designed for the student who is serious about art and looking to increase their repertoire of art skills to better prepare them for art in college. The course allows the student to learn the computer as a creative tool for both the visual and graphic artist. The course is dedicated exclusively to the exploration of this electronic medium as a fine art form and promotes technology not as an end in itself, but rather as a potentially powerful tool for solving creative problems. Experiences in art history, art criticism, aesthetics, and written and/or oral analysis are used throughout the course.

# PRACTICAL ARTS

## BUSINESS

### COURSE DESCRIPTIONS

#### 0608 INTRODUCTION TO BUSINESS

***½ credit, One Semester, Grades 9 -10***

This course is designed to introduce students to business operations in a global economy while providing a foundation for future business courses. Students will attain an understanding of how management, technology, marketing, accounting, entrepreneurship, and human resources impact the workplace. Students will explore social responsibility and ethics, basic economics, and practical applications of business software.

#### 0603 COMPUTER APPLICATIONS I

***½ credit, One Semester, Grades 9 -12***

*This course is for everyone.....The Basics....* Students will be introduced to word process and basic keyboarding skills. The first portion of this course includes proper keyboarding techniques and formatting skills. Emphasis is placed upon learning the keyboard and developing speed and accuracy. The second portion of this course provides content for knowledge and skills required in the technology-based workplace. This course is designed to help students master beginning and advanced skills in the areas of word processing. Students will learn how to format letters, memos, reports and tables, using graphics by utilizing Word 2016.

#### 0613 COMPUTER APPLICATIONS II

***½ credit, One Semester, Grades 9 -12***

*Prerequisite: Computer Applications I*

*This is a course for everyone...the student going to college, tech school, or the job market.* Students will be introduced to Excel, PowerPoint, and Publisher through Office 2016. Studies will include: Excel basics, working with the worksheets, changing the appearance, formulas and creating charts/graphics. In PowerPoint, studies will include PowerPoint basics and enhancements that PowerPoint 2016 has to offer. In Publisher, students will use desktop publishing to produce a wide range of publications such as forms, catalogs, brochures, newsletters, flyers and much more, using Publisher 2016.

#### 0604 BUSINESS TECHNOLOGY

***1 credit, Full Year, Grade 10-12***

*Prerequisite: Computer Applications I & Computer Applications II*

This course is designed to help students develop the qualities, knowledge, and skills necessary for working in a business. Students enhance computer application skills as they develop competencies needed by administrative support professionals. The content includes the use of technology to develop communication skills, the performance of office procedures tasks, the production of quality work using advanced features of business software applications, and the production of high quality employment portfolios and job-seeking documents. In addition, this course provides training or skills many employers find deficient: dealing with other people, using the telephone, organizing work, and handling other crucial tasks.

#### 0623 WEBPAGE DESIGN

***½ credit, One Semester, Grades: 10-12***

*Prerequisite: Computer Applications I*

Do you like the Internet? How about designing a page or two for the Internet!! This class will use Dreamweaver and HTML to develop a web page. Dreamweaver allows you to create very simple web pages to more complex web pages once your skills improve. Dreamweaver is a program for creating and maintaining websites without having to learn complicated codes. It's designed with some very powerful features, but it's as easy to use as clicking a mouse. Enough already! Let's jump right in and get started.

#### 0605 ACCOUNTING I

***1 credit, Full Year, Grades 10-12***

Students will learn the fundamentals and principles of double-entry accounting for service and merchandising businesses. This course focuses on financial reports along with transaction, journals, and ledgers for a sole proprietorship. Manual activities, digital applications, and simulations are used to reinforce understanding. This class is highly recommended for students who plan to work in the field of accounting, for those planning to pursue a business degree, or to own or manage a business in the future.

**0615 ACCOUNTING II*****1 credit, Full Year, Grades 11-12***

This course is designed to help students acquire a more thorough, in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Students will develop skills in analyzing and interpreting information common to partnerships and corporations, preparing formal statements and supporting schedules, and using inventory and budgetary control systems

**0610 PERSONAL FINANCE*****½ credit, One Semester, Grades 11-12***

This course explores practical financial skills necessary for young adults to survive after high school. They will study banking, budgeting, investing, credit card use, insurance, and home and automobile purchases. They will learn job hunting skills by creating resumes and cover letters as well as participating in a mock interview. This course is required for graduation by the State of Missouri as well as the Gasconade County R1 School District.

## PRACTICAL ARTS

### FACS

## COURSE DESCRIPTIONS

#### 0703 CHILD DEVELOPMENT I

*½ credit, One Semester, Grades 10-12*

*Why do I need child development, it's not like I'm a parent...* Current statistics show that 98% of Americans become parents.

Maybe you are not a parent at the moment, but it is extremely important to understand the responsibilities of dealing with children *before* you have them. Topics covered include: family life cycle, prenatal development, birth, child safety, and effective discipline.

Activities will be planned and presented to pre-school aged children.

#### 0713 CHILD DEVELOPMENT II

*½ credit, One Semester, Grades 10-12*

*Prerequisite: Child Development 1 with a grade of B or above*

This course is a continuation of Child Development I. Course covers the physical, emotional, social and intellectual development of children aged 2-teens. Multiple activities will be planned with pre-school and elementary students.

#### 0740 INTRODUCTION TO FOODS

*½ credit, One Semester, Grades 9*

9<sup>th</sup> grade Introduction to Foods is a course that enables students to become exposed to the fundamental aspects of foods preparation. Topics include reading recipes, measurement practice, meal planning, food experiments, principles of baking, special holiday labs, and many other cooking experiences. While this course will be primarily focused on foods, we will also complete mini-units on clothing and housing.

#### 0704 FOODS 1

*½ credit, One Semester, Grades 10-12*

This is the first of two foods courses offered to increase the knowledge of nutrition and food safety. Students will study the principles of nutrition; the relationship of nutrition to health and wellness; meal management to meet individual and family food needs; food economics and ecology; and optimal use of the food dollar. In addition to the study of nutrition, students will receive training in food safety through ServSafe\*.

#### 0705 FOODS 2

*½ credit, One Semester, Grades 10-12*

*Prerequisite: Foods 1 with a grade of C or above or teacher approval*

A continuation of Foods 1. Students will study the nutritional value, selection, storage, and preparation of individual foods. Foods covered include fruits and vegetables, meats, poultry, soups, grains, dairy foods and eggs. Other topics include: catering, kitchen equipment, baking, and world foods.

#### 0610 PERSONAL FINANCE

*½ credit, One Semester, Grades 11-12*

This course explores practical financial skills necessary for young adults to survive after high school. They will study banking, budgeting, investing, credit card use, insurance, and home and automobile purchases. They will learn job hunting skills by creating resumes and cover letters as well as participating in a mock interview. This course is required for graduation by the State of Missouri as well as the Gasconade County R1 School District.

#### 0707 HOUSING AND INTERIOR DESIGN I (Out of rotation for 2019-2020)

*½ credit,*

*One Semester, Grades 10-12*

This course is designed to help students understand the needs and wants of their future homes. They will learn housing selection, architectural styles, kitchen planning, how to create floor plans, elements and principles of design, furniture selection, furniture arrangement, and home maintenance. It is also designed to help students understand the financial and legal aspects of owning or renting a home.

#### 0709 CLOTHING AND TEXTILES I

**(Out of rotation for 2019-2020)**

*½ credit, One Semester, Grades 10-12*

This course will cover the social, psychological and physiological aspects of clothing and textiles. Students will study design and fashion. Care of clothing and consumer purchasing skills are also discussed. Students will learn how to use a sewing machine and patterns to construct samples and a sewing project. Students will need to purchase fabric and patterns for projects. *Note: Cost may exceed \$30.*

#### 0719 CLOTHING AND TEXTILES II

**(Out of rotation for 2019-2020)**

*½ credit, one semester, Grades 10-12*

*Prerequisite: Clothing and Textiles I*

*Fees: May exceed \$30 for projects*

A continuation of Clothing I. Students will use principles of design and construct a personalized quilt, and continue to sew on advanced projects

## PRACTICAL ARTS

### AGRICULTURE

#### COURSE DESCRIPTIONS

Three units of Vocational Agriculture will count for one unit of science for high school requirements and/or the third science for college admissions requirement for science at University of Missouri-Columbia. \* Indicates courses that meet this requirement.

\*\*\*Annual Fee Notice: All students taking an agriculture course will pay an annual \$20 fee that will be used toward FFA dues. This \$20 fee will be due annually regardless of the number of ag courses taken per year.

#### 1101 AG. SCIENCE I\*

1 credit, Full Year, Grades 9-10

This course teaches a basic background in agriculture to anyone interested in an agricultural career. Areas of study include leadership, swine, equine science, beef and dairy cattle, nutrition, genetics, and animal selection.

#### 1102 AG. SCIENCE II\*

1 credit, Full Year, Grade 10-11

Prerequisite: Ag. Science I (All 2nd-year Ag. Science students and FFA members **must** have this course.)

This course is designed for instruction in record book keeping, public speaking skills, basic plant science, soil science, with additional instruction in agricultural careers, leadership, parliamentary procedure and supervised agricultural experience.

#### 1127 INTRO TO FOOD SCIENCE & TECHNOLOGY\*

½ credit, One Semester, Grade 11-12

Prerequisite: Ag. Science I and II

This course is an overview of understanding basic food science. It begins with basic chemistry principles and then applies them to food nutrition and digestion, all the way to processing. Students should expect to spend up to \$25 per person (total) as there will be periodic food preparation.

#### 1115 AGRIBUSINESS SALES, MKTG & MGMT

½ credit, One Semester, Grades 11-12

Prerequisite: Ag. Science I and II

This course is a combination of farm management and agribusiness based on agricultural economic principles. Human relations, personal inventory, careers in selling, and other experiences necessary for employment in agribusinesses engaged in marketing, purchasing and storing, grading, and transporting supplies and products. Computer applications are included to enhance student understanding and utilization of current technology. **Students must have this course prior to grade 12 in order to qualify for AOE.**

#### 1113 BASIC AGRICULTURAL MECHANICS

1 credit, Full Year, Grades 10-12

Prerequisite: Ag. Science I & concurrent enrollment with Ag. Science II, Teacher approval

Basic Ag Mechanics is a program concentrating on welding, and metal fabrication skills. These skills will be learned and practiced under the supervision of the instructor. This program is devoted to applying skills learned in the metal shop to construct project. Training is also provided in the use of machine tools such as the arc and mig welders, drill press, plasma cutter, power tools, band saw, metal chop saw, etc. Students will have the opportunity to develop plans, order materials, layout and construct projects, as well as, preparing and finishing the project. Attainment of these skills will enable a student to seek employment in a field related to metalworking or construction.

#### 1123 ADVANCED AG POWER (HEO- Heavy Equipment Operation)

1 credit, Full Year, Grades 12

Prerequisite: Ag. 1 and 2

This course is designed for students who plan to enter a career related to agriculture mechanics. Small engines will be used to study basic theory and operation, maintenance, overhaul & adjustment. Later in the course students will learn skills to prepare for a career field in heavy equipment operation and truck operation. This is an upper level course in the IRC sequence of Ag. Mechanics.

**1103 AGRICULTURE CONSTRUCTION I***1 credit, Full Year, Grades 11-12*

Prerequisite: *Ag. Science I, Ag. Science II, Basic Agricultural Mechanics*

This is a beginning course in agriculture mechanization. The course deals with sketching and drawing, reading and interpreting plans, woodworking, power tools, paints and painting, hot and cold metal working, oxyacetylene, maintenance, arc and MIG welding.

**1104 AG CONSTRUCTION II***1 credit, Full Year, Grades 12*

Prerequisite: *Basic Agricultural Mechanics and Ag. Construction I*

This is an advanced course in agriculture mechanization. The course allows the students to construct a metal fabrication project, utilizing the skills they developed in their Ag. Construction I classroom instruction. All students will be required to construct and complete a project in the prescribed classroom hour to attain full credit and grade.

**1108 GREENHOUSE OPERATION & MGMT\****1 credit, Full Year, Grades 10-12*

Prerequisite: *Ag Science I and II*

This course develops a basic understanding of greenhouse techniques. The production of greenhouse crops will be used to demonstrate procedures such as plants started from cuttings, seeds, and bulbs. Students will manage their own crop as a greenhouse project. Integrated pest management and plant identification are fundamental to the course.

**1110 ADV GREENHOUSE OPER & MGMT\****½ credit, One Semester, Grades 11-12*

Prerequisite: *Greenhouse Operations & Management*

Students manage and grow the fall poinsettia crop. This course offers greater depth of instruction and hands on experience to effectively run a greenhouse. Skills learned in greenhouse operations are practiced in advanced greenhouse.

**1111 FLORICULTURE\****½ credit, One Semester, Grades 11-12*

Prerequisite: *Greenhouse Operation & Management*

This course includes the production, arrangement, and retailing of flowers. Included are fresh, silk, or dried flowers from which corsages, wedding bouquets, table floral arrangements, and seasonal holiday decorations will be made.

**1112 NURSERY/LANDSCAPING***½ credit, One Semester, Grades 11-12*

Prerequisite: *Greenhouse Operation & Management*

Course instruction includes the production of plants, shrubs, and trees for the purpose of transplanting or propagation. Approved practices in wholesaling and retailing of nursery crops will be applied. Also included is basic techniques of landscape design, landscape construction, installation, and maintenance.

**1118 AGRICULTURE POWER***½ credit, One Semester, Grades 11-12*

Prerequisite: *Ag Science I and II Offered even numbered years*

This course is designed for students who plan to enter a career related to agriculture mechanics. Small engines will be used to study basic theory and operation, maintenance, overhaul & adjustment.

**1122 AGRICULTURE LEADERSHIP***½ credit, One Semester, Grades 10-12*

This class is designed for upper level students interested in increasing their leadership skills. The class focus will be on public speaking, parliamentary procedure, careers, resumes, and interviews.

**1106 ADVANCED LIVESTOCK***½ credit, One Semester, Grades 10-12*

Prerequisite: *Ag Science I and II*

Advanced study in animal production, management, marketing, nutrition, breeding, production records, selection, animal health, waste management, and biotechnology may be included in this course.

Course Rationale – Agriculture encompasses the food, fiber, conservation and natural resource systems, employing over 20% of the nation's workforce. Scientific principles in animal nutrition, breeding, selection, marketing, and waste management are essential for students with an interest in animals or animal-related careers.

**1120 AGRIBUS OCCUPATIONAL EXPERIENCE (AOE)***1 credit, Full Year, Grade 12*

Prerequisite: *Agribusiness Sales & Marketing. Must be enrolled in 1 Ag class at time of AOE enrollment*

AOE is a class for senior agriculture students. These students may earn one credit, up to two, by working at an agriculture-related job. This class allows students to receive hands on experience in a field of their choice, approved by the instructor. Students' grades are based on their personal record book, a log of work activities, a grade recommended by the employer, and school attendance.

## PRACTICAL ARTS

### INDUSTRIAL ARTS

## COURSE DESCRIPTIONS

### **0802 WOODWORKING I**

*1 credit, Full Year, Grades 9-12*

*Fee: \$5.00 Shop Fee*

Students use practical application of problem solving, math & measurement skills to design, calculate the cost of, and build woodworking projects safely, using manual and power woodworking equipment.

### **0807 WOODWORKING II**

*1 credit, Full Year, Grades 10-12*

*Prerequisite: Successful completion of Woodworking I*

*Fee: \$5.00 Shop Fee*

Students use practical application of problem solving, math and measurement skills to design, calculate the cost of, and build woodworking projects safely, using manual and power woodworking equipment. Students will work on a variety of woodworking projects. Students will explore more advanced woodworking techniques. This is a self-guided class and an ongoing process of learning planning, safety, and processes of woodworking.

### **1817 ADVANCED WOODWORKING**

*1 credit, Full Year, Grades 11-12*

*Prerequisite: Woodworking I, II, and instructor approval*

*Fees: \$5.00 Shop Fee*

Students use practical application of problem solving, math and measurement skills to design, calculate cost, and build more complex woodworking projects safely, using manual and power woodworking equipment. Students will work on a variety of woodworking projects. Students will explore more advanced woodworking techniques and machines. This is a self-guided class and an ongoing process of learning, planning, safety, and processes of woodworking.

### **0820 INTRODUCTION TO COMPUTER SCIENCE**

*1 credit, Full Year, Grades 9-10*

The CodeHS introduction to computer science curriculum teaches the foundations of computer science and basic programming, with an emphasis on helping students develop logical thinking and problem solving skills. Students learn basic coding by writing and running Javascript programs. Students explore computer programming as well as use computer driven machines such as 3D printers, laser engravers, and CNC routers

### **0821 COMPUTER SCIENCE II**

*1 credit, Full Year, Grades 10-12*

*Prerequisite: Introduction to Computer Science*

Students will build on the knowledge acquired in Introduction to Computer Science. Students will continue to work with the CodeHS platform and explore topics such as Mobile Apps, Cybersecurity, Computer Science Principles, Video Game Design, and Python. Students will also have the opportunity to work with 3D printing, laser engraving, CNC routing, and Raspberry Pis. This class will have an emphasis on helping students develop logical thinking and problem solving skills and exploring careers in the Computer Science field.

## PHYSICAL EDUCATION

### COURSE DESCRIPTIONS

#### 1202 FRESHMAN WELLNESS

*½ credit, One Semester, Grade 9*

**Goals:** Increase basic knowledge of the health related physical fitness to help students live an active and healthy life. Increase the muscular strength, endurance and fitness levels of each student.

**Synopsis:** This course is taught so that 9th grade students will have the knowledge and skills to be enrolled in Strength and Conditioning. This course includes instruction in basic skills of lifetime activities such as fitness, aerobics and weight training. The course will focus on lifetime wellness principles such as lifetime activities and habits. This course will cover the five components of physical fitness. After this course the student should better understand how to achieve and maintain a healthy lifestyle. Workouts will be modified for every student's individual fitness level.

#### 1201 FRESHMAN HEALTH

*½ credit, One Semester Grade 9*

Ninth grade health guides students through many different dimensions of health and will focus on different health related topics; personality, self-esteem, and emotions; managing stress; building healthy relationships and aspects that allow for the development of relationships; food and nutrition; exercise and lifelong fitness; alcohol/tobacco/other drugs; infectious diseases and disabilities; and environmental health.

#### 1204 STRENGTH & CONDITIONING

*1 credit for Year, ½ credit per Semester, Grades 10-12*

*(May be taken as a semester or year course. If taking the class for a second time, approval from previous instructor)*

Requirements: Strength and Conditioning is a physically demanding class. It focuses on improving the strength, speed, and power of the students in the class. Students must be in good physical condition and have base knowledge of weight training.

#### 1206 COED TEAM & INDIVIDUAL SPORTS

*½ credit per Semester, Grades 10-12*

Prerequisite: Health/Wellness

Team and Individual sports class will consist of a variety of team and individual activities. Students will learn basic rules, etiquette, strategies, and origins of these various sports. Students will learn the basics of playing and officiating these sports. These sports include, but are not limited to: Basketball, Flag Football, Volleyball, Softball/Baseball, Golf, Pickleball, Badminton, Soccer, Hockey, and Track & Field.

## FOREIGN LANGUAGE

### COURSE DESCRIPTIONS

#### 0203 GERMAN I

*1 credit, Full Year, Grades 9 -12*

This course is designed to be an introduction to conversational German. Daily activities are centered around involving the students in elementary German conversation with the instructor and with each other. Reading and writing skills are also emphasized. Cultural information is presented using video/slide recordings to give students an accurate view of contemporary life in German speaking countries.

#### 0204 GERMAN II

*1 credit, Full Year, Grades 9 -12*

*Prerequisite: Grade recommendation of C or above in German 1*

Basic conversational skills from German I are reviewed and then expanded enabling the student to express himself in other verb tenses and in new situations. Reading skills are also sharpened. Cultural studies of German speaking countries are also continued.

#### 0230 GERMAN III

*1 credit, Full Year, Grade 10-12*

*Prerequisite: Grade recommendation of B- or above in German II*

Most of the remaining elements of German grammar are discussed enabling the student to handle German readings as well as to converse on an advanced level. Cultural topics are also covered which expose the student to various aspects of past and present German life. *Most course work will be in German.*

#### 0240 GERMAN IV

*1 credit, Full Year, Grades 11-12*

*Prerequisite: Approval of Instructor & Administrator*

Independent Study - Students will further develop their skills in the four key areas of language acquisition. Students must be able to work independently. Hour taken must be approved by instructor.

#### 0201 SPANISH I: Rosetta Stone-online

*1 credit, Full Year, Grades 9-12*

The purpose of Spanish I is to introduce the student to the Spanish language and culture. The emphasis of this class is to develop speaking and writing skills and to promote listening and reading comprehension.

#### 0202 SPANISH II: Rosetta Stone-online

*1 credit, Full Year, Grades 9-12*

*Prerequisite: Grade Recommendation of C or above in Spanish I*

This course is a continuation of Spanish I, focusing on a higher level of communication. Students will be introduced to complex sentence structure along with additional vocabulary. Reading and speaking skills will be emphasized, but cultural topics will still be discussed.

#### 0205 SPANISH III: Rosetta Stone-online

*1 credit, Full Year, Grades 10-12*

*Prerequisite: Grade Recommendation of B- or above in Spanish II*

Conversational skills will be strengthened by communicating in typical daily-life situations, and reading comprehension skill through different short reading selections. You will acquire a broader vocabulary and improve the command of grammatical structures.

#### 0206 SPANISH IV: Rosetta Stone-online

*1 credit, Full Year, Grades 11-12*

*Prerequisite: Approval of Instructor and Administrator*

Students will further develop their skills in the four key areas of language acquisition. Students must be able to work independently.

## VOLUNTEER SERVICE COURSES

### COURSE DESCRIPTIONS

Volunteer Service provides students with an opportunity to make a difference in their school as a volunteer. Students volunteer one class period either at the elementary school, middle school, or high school. Students not only help the school and community by volunteering their time and talents, but students benefit by gaining or improving many academic and personal skills. Students receive a grade for their Volunteer Service.

*Prerequisite: Students must meet the Hermann HS graduation requirements & have Counselor or Principal approval.*

*Note: Volunteer service requires students to have the following role-model qualities: strong academic grades with a 2.5 GPA or above, good attendance above 90%, and positive behavior & citizenship with no major discipline record.*

- Students who choose to volunteer at the elementary must provide their own reliable means of transportation.
- Students who choose Volunteer Service will have a set of rules and guidelines to follow. Students are required to sign the school district's F.E.R.P.A. - Confidentiality agreement.
- A parent or guardian's signature is required for a student to volunteer at the elementary school or middle school.

#### **3001 SCHOOL SERVICE**

*½ credit per Semester, Grade 12*

Students who choose to volunteer at the elementary or middle school provide a wide range of assistance to the faculty and staff. Volunteer opportunities include but are not limited to providing clerical and classroom assistance to tutoring students in the classroom. Students who choose to volunteer at the high school provide a wide range of assistance to the faculty and staff.

#### **3130 A+ TUTORING**

*No Credit, One Semester, Grade 11-12*

*Prerequisite: Student must have a signed A+ program agreement, citizenship agreement, and tutoring agreement on file with A+ Coordinator and complete a short training session. Student must be on track to meet HHS graduation requirements.*

The A+ course allows students to perform the required 50 hours of unpaid, district supervised tutoring or mentoring within their school day. Students will be assigned to a classroom in Hermann Elementary or Middle School.

## STUDY HALL COURSE

### COURSE DESCRIPTIONS

#### 4002 HONORS STUDY HALL

*No credit, One Semester, Grade 12*

**Seniors must have a cumulative GPA of 3.25, and be enrolled in four core academic classes with three of them weighted or dual credit to be considered.**

Note: Those students who wish to maintain MHSAA eligibility of 3.5 credits cannot take A+ Tutoring and Honors Study Hall in the same semester.

## CLUBS AND ORGANIZATIONS

### CLUB DESCRIPTIONS

#### ACADEMIC BOWL

**Sponsor:** *Mr. Stobart*

Purpose: Scholar Bowl is created to challenge and enhance student's knowledge of a variety of subjects. Academic competition is a MSHSAA event and students who participate are expected to volunteer occasional Saturdays to compete with other schools. Eligibility to represent HHS in Scholar Bowl is a privilege students may attain by meeting the essential requirements established by MSHSAA and the Gasconade Co. R-1 School District.

#### DRAMA CLUB

**Sponsor:** *Mrs. Behrens*

Purpose: Drama club members are responsible for all aspects of the musical in the fall, and the spring play. This includes costumes, props, lights & sounds, make up, acting and more. DC members also help with the speech team. Each spring the DC holds an awards banquet and travels to the Fox in St. Louis to see a Broadway show.

#### FAMILY, CAREER & COMMUNITY LEADERS OF AMERICA (FCCLA)

**Sponsors:** *Mrs. Grotewiel*

Purpose: The purpose of this organization is to promote personal growth and leadership development through family and consumer sciences education. The organization gives members the opportunity to work on community service projects, where they can assume responsibility and learn leadership skills. Members may also set goals for self-improvement and enter STAR Event Competitions.

#### FUTURE BUSINESS LEADERS OF AMERICA (FBLA)

**Sponsor:** *Mrs. Kallmeyer*

FBLA's mission is to bring business and education together in a positive working relationship through innovative leadership and career development programs

#### FUTURE FARMERS OF AMERICA (FFA)

**Sponsors:** *Mrs. Vedder & Mr. Ridder*

Purpose: The development of competent agricultural leadership, cooperation and citizenship based on recreational and educational activities.

#### FUTURE TEACHERS OF AMERICA (FTA)

**Sponsor:** *Mr. Bader*

Purpose: To provide a means for secondary school students to participate in realistic education activities that are of assistance in making valid decisions about educational careers.

#### NATIONAL HONOR SOCIETY (NHS)

**Sponsor:** *Mrs. Vieth and Mr. Stobart*

Purpose: The George F. Bayer Chapter of National Honor Society was created to enthusiastically promote scholarship, stimulate service to community, promote leadership and develop and maintain character on the secondary level in grades 10-12. A 3.25 Cumulative GPA is required.

## **SPEECH TEAM**

***Sponsor: Mrs. Wiegman***

Purpose: Members of the speech team compete in up to 6 meets each year. These competitions are held within the Four Rivers Conference with a cumulative meet taking place at East Central College. There is also a district meet with winners advancing to state competition.

## **STUDENT COUNCIL**

***Sponsor: Mrs. Kallmeyer***

Purpose: The purpose of Student Council is to provide students with leadership opportunities and skills, to foster a positive school climate, and to help the school run smoothly. Student council also provides all students with opportunities to participate in community service and practice in voting and other duties of citizenship.

## **VARSITY H CLUB**

***Sponsor: Mr. Emmons***

Purpose: The H Club is made up of students who have earned a varsity athletic letter. The club contributes to the community in a number of ways by organizing benefits and performing service projects.

# Career Technical Education

## FOUR RIVERS CAREER CENTER PROGRAMS

### **AUTO TECHNOLOGY:**

**(Grades 11-12)**

Auto Technology is a two-year program based upon the ASE (Automotive Service Excellence) training program, covering basics of auto diagnosis and repair. Core topics and related skills are taught which will prepare students to enter the automotive field at one of these levels: as an advanced apprentice, a program of continued education to extend their knowledge of the auto industry, or military service in a chosen mechanical field. Personal development, work ethics, work attitudes, and leadership skills are taught through SkillsUSA. Students have the opportunity to take part in the AYES Internship program. Application must be made and students must meet the AYES criteria. Credit may be granted by East Central College toward an Associate Degree of Applied Science to students who successfully complete the two-year program.

### **BUILDING CONSTRUCTION:**

**(Grades 11-12)**

Building Construction is a two-year program where the students learn construction related skills. Students are exposed to various phases of residential and commercial construction including concrete, plumbing, wiring, hanging and taping drywall, and painting. Time is spent in class and on-site constructing a house. Previously completed courses in drafting, general shop, electricity, and mathematics are beneficial, but not required. Personal development, work ethics, work attitudes, and leadership skills are taught through SkillsUSA. Advanced standing will be granted by East Central College toward an Associate Degree of Applied Science to those students successfully completing the Building Construction Technology program. Additionally, advanced standing may be granted to qualifying students by the Carpenter Joint Apprentice Committee to those enrolling in the Carpenter Apprenticeship Program.

### **WELDING TECHNOLOGY:**

**(Grades 11-12)**

The program prepares students for employment in the welding and metal fabrication industries. The comprehensive program trains students in various types of welds in all positions, including plate and pipe. Materials used include steel, stainless steel, and aluminum. Blueprint reading, layout, and fit-up are integral parts of the curriculum. Students completing the two-year program may earn advanced standing from East Central College. Personal development, work ethics, work attitudes, and leadership skills are taught through SkillsUSA. Advanced standing will be granted by East Central College toward an Associate Degree of Applied Science to those students successfully completing coursework in Welding Technology program.

### **COLLISION REPAIR:**

**(Grades 11-12)**

Collision Repair is a two-year program where students acquire basic entry-level skills in the auto body repair trade. The comprehensive ASE certified course covers basic welding, sheet metal dent repair, surface preparation, and refinishing fundamentals. Instruction is also provided in automotive design/construction, identification, and care of hand and power tools. Basic skills are reinforced with instruction added in body panel replacement, collision estimating, shop management, frame damage identification, MIG welding, and glass installation. Reading, writing, and basic math skills are necessary for success in this field. Personal development, work ethics, work attitudes, and leadership skills are taught through SkillsUSA. Elective credit may be granted by East Central College toward an Associate Degree of Applied Science in Auto Technology to students who successfully complete the two-year program.

### **MACHINE TOOL:**

**(Grades 11-12)**

The Machine Tool Program is a two-year program offering basic instruction in the use of precision tools and machines. This program provides first-hand machinist training such as turning, milling, and grinding materials. Recommended preparations include basic mathematics, mechanical drawing, computer literacy, or industrial arts, but are not required. Advanced standing will be granted by East Central College toward an Associate Degree of Applied Science in Precision Machining Technology through East Central College to those students successfully completing the program with a grade of **B** or better credit. Personal development, work ethics, work attitudes, and leadership skills are taught through SkillsUSA.

### **GRAPHIC COMMUNICATIONS:**

**(Grades 11-12)**

The Graphic Communications program provides the training and experience necessary for employment in one of the many areas in the graphic industry. Students can broaden their knowledge and skills with exposure to a variety of training areas which include: layout design, CTP (computer to plate), desktop publishing (primarily using QuarkXPress, Illustrator, and Photoshop), multimedia production, screen printing, pad printing, and offset press operation. Graphic Communications is designed as a two-year program. Personal development, work ethics, work attitudes, and leadership skills are taught through SkillsUSA. Training is provided in the safe operation of equipment and management of facilities, supplies, and equipment. English, keyboarding, computer and art courses would be beneficial to students entering the graphics field. An internship program providing on-the-job training is available through the Graphic Communication program. Students can earn college credit through East Central College.

**HEALTH SCIENCE CAREERS:****(Grade 12 Only)**

**Prerequisite:** Recommended: Concurrent enrollment or completion of Biology I and/or Chemistry I High school seniors who wish to pursue a career in the health field should take this three-hour block class. While the primary objective is to prepare students for an entry-level position as an assistant, the knowledge gained through this course is the foundation for building skill through experience and later advancing to higher levels in the health field following graduation from high school. An additional embedded science credit will also be awarded upon successfully completing the course. Through classroom study, laboratory training, field trips, and guest speakers, students will become very familiar with available health science career choices. In addition, the option is open for becoming a certified nurse's aide in a long-term facility, providing that the necessary requirements are met before the end of the school year. Students rotate through more than 35 different areas in and outside the hospital. Personal development, work ethics and attitudes, and leadership are taught through the activities of HOSA (Health Occupation Students of America).

**INFORMATION TECHNOLOGY:****(Grades 11-12)**

**Prerequisites:** Keyboarding, Computer Applications

Information Technology is a two-year program open to juniors and seniors. The first year is classroom-based instruction at the Four Rivers Career Center. The first year will cover computer hardware, operating system software, troubleshooting, maintenance, and repair. Students build a computer, diagnose system errors and faults, and make computer repairs. Students will prepare to test for the A+ (Computer Technician) Certification. The second year will offer computer networking fundamentals, hardware, software, protocols, troubleshooting, maintenance, and repair. Students will build and diagnose a computer network. Students will prepare to test for the Network+ (Network Technician) Certification. Second-year students will also participate in an internship and have the opportunity to attend class on campus at ECC to take Computer Information System courses while in high school through the Senior Option Program.

**Four Rivers Career Center – Articulation Agreement****TEACHING CAREERS (UCM Dual Credit)****(Grade****12)**

This course is designed for students interested in teaching careers K-12. The program is designed to allow students true teaching experiences and opportunities for learning at various levels, while partnering with local schools to complete observation hours and assignments related to the course work. In addition to the hands-on opportunities, students will also be engaged in academic coursework that is relevant to becoming a teacher. Students will engage in topics related to child development, teaching and learning and classroom instructional strategies.

**CAPS: Global Business and Entrepreneurship:** Provides high school students a state of the art business center where you will learn the skill sets necessary to move an idea from light bulb to launch. You will live and learn the stages of ideation, business development, perfected pitch proposals and business implementation. CAPS works collaboratively with area business leaders to design and develop mutually beneficial learning experiences. Together, we will personalize your learning experience to prepare you for your future in high skilled and high demand careers

**FOUR RIVERS DUAL CREDIT AGREEMENT WITH EAST CENTRAL COLLEGE**

The Four Rivers Career Center has articulation agreements in place with East Central College for most of its Technical Programs. Articulation agreements allow students to receive high school and college credit (dual-credit) *immediately upon completion* of courses taken through Four Rivers.

**What do dual-credit articulation agreements mean to FRCC students?** If a student demonstrates the knowledge, exhibits the skill, and meets the expectations set by Four Rivers and East Central College training programs, it can result in a two-fold benefit: high school credit and college credit. Those attending Four Rivers can apply to be an East Central student, register and pay for courses each semester, and establish an active transcript that records college credit for courses completed during the student's junior and senior years.

**Does this program benefit students?** Yes. Consider dual-credit at FRCC an "almost free" start to a college education. For the low, low price of \$10 per course each semester, students can take advantage of this opportunity of a lifetime! This offer includes courses of one-credit hour through six-credit hours.

**What decides if a student gets this credit?** This agreement is offered to students who are interested in continuing on their chosen career path following high school. East Central College awards credit upon demonstration of essential skills and competencies for FRCC programs. Students must receive a letter grade of a "B" or better in the FRCC classes to receive college credit.

**FRCC Programs offering articulated dual-credit:**

Automotive Technology, Automotive Collision Repair, Building Construction Technology, Graphic Design/Communications, Information Technology/Computer Information Systems, Machine Tool Technology/Precision Machining, Welding Technology

**For More Information about these programs visit our website at [www.fourriverscc.org](http://www.fourriverscc.org)**

