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GENERAL INFORMATION

Letter of Introduction

Dear PCHS Students and Parents:

This Career and Educational Planning Guide is intended to assist students as they make plans for continued high school academic achievement and for career exploration and planning. We will provide the time and assistance during the enrollment process to help all students create an educational plan suited toward their interests, while meeting graduation requirements.

The Individual Career and Academic Plan (ICAP) is the student’s unique plan of study which outlines courses that align with future education and career goals. When students see the relevancy of high school coursework to their future, they are more apt to take school seriously and enroll in more rigorous courses. Course selection is very important and schedule changes can be very difficult. We advise that students and parents spend time reviewing the course selections and ask questions of staff during this process.

Parents: Challenge your students to set high standards, select courses and school activities which directly help them achieve personal and career goals, and motivate them to be dedicated and committed to these goals. Your participation in your son/daughter’s education plan is critical to their success!

We look forward to partnering with you for a successful year. Please don’t hesitate to contact us if we can be of assistance.

- PCHS Administration & Counseling Department
Notice of Non-Discrimination

It is the policy of the Missouri Department of Elementary and Secondary Education not to discriminate on the basis of race, color, religion, gender, national origin, age, or disability in its programs or employment practices as required by Title VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975 and Title II of the Americans with Disabilities Act of 1990.

Vision, Mission, and Values

Frequently Asked Questions

May I repeat a course for graduation credit? Yes, if you receive a failing grade in a course that is required for graduation, you may repeat the course an additional time.

What if I have a lower grade in a course than I would like to have on my transcript? Unfortunately, all grades received and listed on a transcript are final.

May I be an Early Graduate/Mid-Year Graduate? Yes, if you have successfully completed the PCR-3 graduation requirements including all coursework and necessary state exams. You then can speak with your counselor about being an Early Graduate/Mid-Year Graduate.

What happens if I fail a semester of a required full year (2 semesters) course? You will only be expected to repeat the semester of the course in which you failed. You do not have to repeat the entire course or 2 semesters.

May I get extra credit through summer school or online courses? Additional credit(s) can be earned during summer school. Course offerings for summer school change from year to year. Please see your counselor for more specific details on which classes will be offered.

May I change my schedule at semester if I don’t like a class I am taking? Students are only able to change their schedules due to computer error; prerequisites not met, duplicate credit, or wanting a more rigorous
course. There are exceptions and each case is taken into consideration following a parent/student conference.

**What is the number of credits needed to graduate from high school?** 24

**Do any classes which I took in junior high count toward high school credit?** No, any typically identified 9-12 course that students can take in eighth grade is transcribed on the high school transcript, but does not count as a credit toward high school graduation or high school cumulative GPA.

**Can I earn college credit while in high school?** Yes, students can earn college credit through dual credit, concurrent credit and AP courses.


**How do I find out about things happening at school?** Parent newsletters are send via email monthly, you may also find the newsletters on the [Platte County High School Website](https://www.plattecountyschooldistrict.com/site/Default.aspx?PageID=23) under the news tab. You may also follow us on Twitter, Facebook and Instagram.

---

**GRADUATION REQUIREMENTS**

**High School Course Graduation Requirements**

<table>
<thead>
<tr>
<th>Curricular Areas</th>
<th>Graduation Units Needed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English Language Arts</strong></td>
<td>4 units</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td>3 units</td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td>3 units</td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td>3 units</td>
</tr>
<tr>
<td><strong>Fine Arts</strong></td>
<td>1 unit</td>
</tr>
<tr>
<td><strong>Physical Education</strong></td>
<td>1 unit</td>
</tr>
<tr>
<td><strong>Personal Finance</strong></td>
<td>½ unit</td>
</tr>
<tr>
<td><strong>Health</strong></td>
<td>½ unit</td>
</tr>
<tr>
<td><strong>Practical Arts</strong></td>
<td>1 unit</td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td>7 units</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>24 UNITS</strong></td>
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</table>
## Minimum Post-High School Admission Requirements

### High School Course Graduation Requirements

<table>
<thead>
<tr>
<th>Curricular Areas</th>
<th>Entering Freshman University of Missouri System Credit Requirements</th>
<th>Missouri Public 4 Year Colleges Credit Requirements <em>may vary by school</em></th>
<th>Community &amp; Technical Colleges</th>
<th>Military Careers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Communication Skills</strong></td>
<td>4 units</td>
<td>4 units</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• One unit may be in speech or debate.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Two units must focus on composition or writing skills.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>o Acceptable: English Literature, Speech, Debate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>o Not Acceptable: Yearbook, Acting, Theater, Drama, Business English, Media</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td>3 units</td>
<td>3 units</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td>4 units</td>
<td>3 units Alg I &amp; Higher</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• All units must be Algebra I or higher-level courses.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>o Acceptable: Algebra I, Algebra II, Trig., Pre-Calculus, Calculus, Geometry, Analytical Geometry, Math Analysis</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>o Non-Accepted: Computer Math, Programming, Consumer Math, Pre-Algebra, Accounting, Basic Math, Technical Math, Computer Science</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td>3 units</td>
<td>3 units No General Science 1 must be a lab class</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• One unit must be a laboratory course</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>o Acceptable: Earth Science, Biology, Chemistry, Physics</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>o Not Acceptable: General Science</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fine Arts</strong></td>
<td>1 unit</td>
<td>1 unit</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Physical Education</strong></td>
<td>0 units</td>
<td>0 units</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Practical Arts</strong></td>
<td>0 units</td>
<td>0 units</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td>0 units</td>
<td>6 units</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Foreign Language</strong></td>
<td>2 units</td>
<td>3 units selected from world language &amp;/or core courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Both units must be in the same language</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>17 UNITS Plus, minimum score of 24 on ACT</td>
<td>23 UNITS Plus ACT Score</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ATHLETIC ELIGIBILITY

Missouri State High School Activities Association Eligibility (MSHSAA)
Knowing and following all MSHSAA standards will enable a student to protect his/her eligibility for MSHSAA interscholastic competition. Activity participation should be for all students making appropriate progress toward graduation and otherwise in good standing.

Grades 9-12:
- Grades received the preceding semester will determine eligibility to participate in interscholastic activities.
- The student shall have earned, the preceding semester, a minimum of 3.0 units of credit. This means to pass 6 of 7 classes the previous semester.
- The student shall currently be enrolled in and regularly attending courses that offer 3.0 units of credit. (Student aides, etc. does not count as a full class)
- A beginning ninth grade student shall have been promoted from the eighth grade to the ninth grade for first semester of eligibility.
- A student must be making satisfactory progress towards graduation as determined by local school policies.
- There is a maximum age limit for participation

Dual Enrollment: Students planning to participate in dual enrollment classes should visit with their counselor or Activities Director to make sure they will be eligible to participate in MSHSAA sanctioned activities. More information can be found at: www.mshsaa.org.

National Association of Intercollegiate Athletics (NAIA)
For information about eligibility to play NAIA athletics, go to www.playnaia.org.

National Collegiate Athletic Association (NCAA)
Before a student is eligible to participate in college athletics at the NCAA Division I or Division II level, the NCAA Clearinghouse must certify the student. Part of that certification process includes making sure that the student has successfully taken the required number of core courses. The required number of core courses is listed below. For further requirements to be deemed eligible contact the Guidance Office.

National Collegiate Athletic Association (NCAA) Eligibility Center
All high school student-athletes wishing to compete in college must register with the NCAA Eligibility Center. Information about the Eligibility Center can be found in the Guide for the College-Bound Student-Athlete. The NCAA national office does not handle initial-eligibility certifications. Please do not contact the NCAA national office with inquiries regarding an individual's initial-eligibility status, including whether transcripts, student release forms, etc., were received or about when you will be cleared. The Eligibility Center maintains and processes all of the initial-eligibility certifications. More information can be found at: www.ncca.org.
NCAA Division I Initial-Eligibility Requirements

Core Courses: (16)

- As of August 1, 2016 to become a full-time collegiate qualifier: Sixteen (16) core courses are required (see chart below for subject-area requirements).
  - Ten (10) core courses completed before the seventh semester; seven (7) of the 10 must be in English, Math or Natural/Physical Science.
  - Earn a core-course GPA of at least 2.300.
  - These courses/grades are "locked in" at start of the seventh semester (cannot be repeated for grade-point average [GPA] improvement to meet initial-eligibility requirements for competition).

Students who do not meet core-course progression requirements may still be eligible to receive athletics aid and practice in the initial year of enrollment by meeting academic redshirt requirements (see below).

<table>
<thead>
<tr>
<th>NCAA Division I Subject Area Requirements</th>
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</thead>
<tbody>
<tr>
<td>Division I</td>
</tr>
<tr>
<td>4 years of English</td>
</tr>
<tr>
<td>3 years of math (Algebra I or higher)</td>
</tr>
<tr>
<td>2 years of Natural/Physical Science (1 year of lab if offered)</td>
</tr>
<tr>
<td>1 year of additional English, Math or Natural/Physical Science</td>
</tr>
<tr>
<td>2 years of Social Science</td>
</tr>
<tr>
<td>4 years of additional courses (any area above, Foreign Language or Comparative Religion/Philosophy)</td>
</tr>
</tbody>
</table>

Test Scores: (ACT/SAT)

- Students must present a corresponding test score and core-course GPA on the sliding scale. SAT: critical reading and math sections.
- Best sub score from each section is used to determine the SAT combined score for initial eligibility. ACT: English, Math, Reading and Science sections.
- Best sub score from each section is used to determine the ACT sum score for initial eligibility.
- All ACT and SAT attempts before initial full-time collegiate enrollment may be used for initial eligibility.
- Enter 9999 during ACT or SAT registration to ensure the testing agency reports your score directly to the NCAA Eligibility Center. Test scores on transcripts will not be used.

Core Grade-Point Average:

- Only core courses that appear on the high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org) will be used to calculate your core-course GPA. Use this list as a guide.
• Initial full-time collegiate enrollment: Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B. Core-course GPA is calculated using the best 16 core courses that meet both progression (10 before seventh semester; seven in English, Math or Science; "locked in") and subject-area requirements. (A 2.0-2.9 GPA may qualify for academic redshirt)

**NCAA Division II Initial-Eligibility Requirements**

**Core Courses:**
- Division II currently requires 16 core courses. See the chart below.
- As of August 1, 2018, to become a full or partial qualifier for Division II, all college-bound student-athletes must complete the 16 core-course requirement.
  - Earn a core-course GPA of at least 2.200.

**NCAA Division II Subject Area Requirements**

**Division II**
- 3 years of English
- 2 years of Mathematics (Algebra I or higher)
- 2 years of Natural/Physical Science (1 year of lab if offered by high school)
- 3 years of additional English, Mathematics or Natural/Physical Science
- 2 years of Social Science
- 4 years of additional courses (from any area above, Foreign Language or Comparative Religion/Philosophy)

**Test Scores:**
- Division II currently requires a minimum SAT score of 820 or an ACT sum score of 68. As of August 1, 2018, Division II will use a sliding scale to match test scores and core-course grade-point averages (GPA).
- The SAT score used for NCAA purposes includes only the Critical Reading and Math sections. **The Writing section of the SAT is not used.**
- The ACT score used for NCAA purposes is a sum of the following four sections: English, Mathematics, Reading and Science.
- When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. **Test scores that appear on transcripts will not be used.**

**Grade-Point Average:**
- Be sure to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org). Only courses that appear on your school's approved List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- Division II core GPA required to be eligible for competition is 2.200 (corresponding test-score requirements are listed on the Sliding Scale).
- The minimum Division II core GPA required to receive athletics aid and practice as a partial qualifier is 2.000 (corresponding test-score requirements are listed on the Sliding Scale).
- Remember, the NCAA core GPA is calculated using NCAA core courses only.
<table>
<thead>
<tr>
<th>Core GPA</th>
<th>New SAT*</th>
<th>Old SAT (Prior to 3/2016)</th>
<th>ACT Sum</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.550</td>
<td>400</td>
<td>400</td>
<td>37</td>
</tr>
<tr>
<td>3.525</td>
<td>410</td>
<td>410</td>
<td>38</td>
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<tr>
<td>3.500</td>
<td>430</td>
<td>420</td>
<td>39</td>
</tr>
<tr>
<td>3.475</td>
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<td>3.450</td>
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</tr>
<tr>
<td>3.425</td>
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<td>800</td>
<td>710</td>
<td>58</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Core GPA</th>
<th>New SAT*</th>
<th>Old SAT (Prior to 3/2016)</th>
<th>ACT Sum</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.750</td>
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HIGH SCHOOL SPECIAL PROGRAMS

A+ Schools Program

The high school administration realizes that an effective educational program is one that provides opportunities for student learning both within the classroom and beyond the traditional classroom and school day. These expanded opportunities are viewed as educational options to supplement the regular program.

The A+ Program is a Missouri scholarship program whereby if a student meets certain requirements while in high school, upon graduation the state may provide funds for two years of tuition at any state A+ approved community college or technical school to be used within a four-year time period. In order to receive A+ funds a student must:

- Be a U.S. citizen, eligible non-citizen or lawfully present in the U.S.
- Enter into a written agreement with the high school prior to graduation.
- Attend a designated A+ high school for three consecutive years prior to graduation.
- Graduation with an overall G.P.A. of 2.5 or higher on a 4.0 scale.
- Have at least a 95% attendance record over four years.
- Perform at least 50 hours of unpaid tutoring or mentoring, of which up to 25% may include job shadowing.
- Maintain a record of good citizenship and avoid the unlawful use of drugs and/or alcohol.
- Achieve a score of proficient or advanced on the Algebra I end of course exam (beginning class of 2015) OR a score of 17 or higher on the math subset of ACT.

For additional information about the A+ Schools Program contact the A+ coordinator or the Department of Higher Education website (www.dhe.mo.gov).
CAREER PLANNING

Purpose of Career Clusters

Career Paths
Career paths are clusters of occupations/careers grouped according to participants’ interests and talents or skills. All paths include a variety of occupations that require different levels of education and training. Thus, career paths provide a plan for all students, whatever their interests, abilities, talents, or desired levels of education. Selecting a career path provides a student with an area of FOCUS, along with FLEXIBILITY and a VARIETY of ideas to pursue. The focus of career paths is on helping students choose a career path, not a specific occupation. Selecting a career path is not a lifelong commitment; it is a place to begin focusing one’s energies. As students take different courses and learn more about themselves and careers, they will probably change career paths. Students who understand the career paths concept will be aware that there are a variety of other related possibilities if the first path no longer fits them. If different career paths become more interesting, the students can reevaluate plans, make appropriate decisions, and revise their high school plans as necessary.

Benefits
Deciding on a career path can assist you in exploring your interests and preparing for your future. The intent is not for you to decide on a specific occupation for the rest of your life, but to select a career path into which you can begin directing your energies. Identifying a career path can help you in selecting school courses, activities, and part-time employment. It can also help guide your participation in job shadowing, career exploration and internships. A career path choice is not a permanent commitment. As you have new experiences, you learn new things about yourself and may decide to change career paths. If you decide on a different career path to explore, you should discuss it with your counselor and adjust your future course selections in accordance with your new career exploration.

Choosing a Career Path or Cluster
1. Identify your interests, abilities, and talents.
2. Identify the career path or cluster that relates to your interests, abilities, and talents.
3. Explore occupations in those career paths or clusters.
4. Decide how much education you want to receive after high school.
5. Develop a Individual Career and Academic Plan (ICAP) by selecting courses and co-curricular activities that relate to your career educational and career goal.
6. If undecided regarding a career path or cluster, choose courses from different career areas to give you a better idea of your interests.
Career Preparation, Choices after High School

Career Preparation
Choices After High School

Arts & Communication
- Business, Management & Technology

Health Services
- Human Services

Industrial & Engineering Technology
- Natural Sciences

High School

Work
- Apprenticeship
- On-the-Job Training

Schools & Programs
- Vocational/Technical Schools
- Community/Junior Colleges
- Colleges/Universities

Military
- College Financial Assistance
- Variety of Skill Training

My Career
# Choices After High School

<table>
<thead>
<tr>
<th>Choice</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>On-the-Job Training</strong></td>
<td>Some occupations do not require training prior to employment rather additional training and skills required beyond high school are provided by the employer.</td>
</tr>
<tr>
<td><strong>Apprenticeship</strong></td>
<td>Apprenticeship is a three to four-year training program where you earn money while you learn, working on the job. You receive a license at the end of training. Examples of trades that use apprenticeship are bricklaying, jewelry making, electrical repair, etc.</td>
</tr>
<tr>
<td><strong>Vocational/Technical School</strong></td>
<td>Programs at these schools are generally from one month to four years in length. Examples of vocational technical programs include practical nursing, robotics, and some areas of business.</td>
</tr>
<tr>
<td><strong>Community/Junior College</strong></td>
<td>Community colleges offer two-year “degree” vocational training, associate degrees, or credit transfer to a college or university where you can pursue a bachelor’s degree. Most community colleges have an open enrollment policy for high school graduates and individuals with GEDs.</td>
</tr>
<tr>
<td><strong>College/University</strong></td>
<td>A bachelor’s degree requires approximately four years of college. A master’s degree usually requires one to two years of college beyond the bachelor’s degree. A minimum of a bachelor’s degree is required for about 20% of the occupations in the United States. Entrance requirement depend on the desired program/major.</td>
</tr>
<tr>
<td><strong>Military</strong></td>
<td>Training is available for many jobs while you are enlisted. You may also receive financial assistance for college, room and board, salary, and insurance benefits. High school graduation is required. Another consideration for students would be the military academies like West Point or University ROTC.</td>
</tr>
</tbody>
</table>
### Programs of Study

<table>
<thead>
<tr>
<th>Program</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Agriculture, Food &amp; Natural Resources</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Architecture &amp; Construction</strong></td>
<td>Careers in designing, planning, managing, building and maintaining the built environment.</td>
</tr>
<tr>
<td><strong>Arts, A/V Technology &amp; Communications</strong></td>
<td>Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.</td>
</tr>
<tr>
<td><strong>Business, Management &amp; Administration</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Education &amp; Training</strong></td>
<td>Planning, managing and providing education and training services, and related learning support services.</td>
</tr>
<tr>
<td><strong>Finance</strong></td>
<td>Planning, services for financial and investment planning, banking, insurance, and business financial management.</td>
</tr>
<tr>
<td><strong>Government &amp; Public Administration</strong></td>
<td>Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.</td>
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<tr>
<td><strong>Health Science</strong></td>
<td>Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.</td>
</tr>
<tr>
<td><strong>Hospitality &amp; Tourism</strong></td>
<td>Hospitality &amp; Tourism encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.</td>
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<tr>
<td><strong>Human Services</strong></td>
<td>Preparing individuals for employment in career pathways that relate to families and human needs.</td>
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<tr>
<td><strong>Law, Public Safety, Corrections &amp; Security</strong></td>
<td>Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.</td>
</tr>
<tr>
<td><strong>Manufacturing</strong></td>
<td>Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.</td>
</tr>
<tr>
<td><strong>Marketing, Sales &amp; Service</strong></td>
<td>Planning, managing, and performing marketing activities to reach organizational objectives.</td>
</tr>
<tr>
<td><strong>Science, Technology, Engineering &amp; Mathematics</strong></td>
<td>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 services.</td>
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<tr>
<td><strong>Transportation Distribution &amp; Logistics</strong></td>
<td>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</td>
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equipment and facility maintenance.
# Individual Career and Academic Plan (ICAP)

**Platte County High School**

### Last Name. First Name

### Graduation Year: 

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<th>Program of Study</th>
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</table>

*** Health, P.E., Practical Arts and Fine Arts may be taken any year 9-12. Personal Finance may be taken at any time during years 10-12. Revised 3/2018
ENROLLMENT INFORMATION

Enrollment Information

Prerequisites
Certain courses have prerequisites that must be fulfilled for a student to enroll properly. The prerequisite courses offer skills that must be mastered in order to be successful in subsequent courses. A prerequisite is considered to be met when a student has passed the prerequisite course. Students who have earned a “D” in a prerequisite course will likely experience great difficulty in successfully completing the subsequent course work.

Adding and Dropping Courses
Students should carefully consider course selections for the next school year. Student course requests provide input for creating the master schedule and determining teacher assignments. Avoiding class overloads and maintaining class balances are of primary importance once the master schedule has been established. Therefore, course changes will be kept to an absolute minimum. The schedule change policy below will be strictly enforced once a student’s schedule has been finalized. Students are expected to adhere to courses requested. Request for course changes will be considered for the following reasons only:

1. COMPUTER ERROR - If the course number has been incorrectly placed in the computer, the enrollment worksheet will serve as a reference for substituting the correct course.
2. PREREQUISITE COURSES NOT MET - Many courses require a prerequisite. If a student has not met the necessary prerequisite, a new course will be substituted.
3. DUPLICATE CREDIT - A student may not receive credit for a course twice. A course change will be made if the student has registered for a course for which they already have credit. Exceptions include Music, Debate, Newspaper, Yearbook, Studio Art, and Physical Education.
4. GRADUATION REQUIREMENT – A required graduation requirement is not listed on your schedule.
5. FAILED COURSE – You have failed a previous semester/year of a course.
6. MORE CHALLENGING COURSE – Request to move to a more rigorous/challenging course.

Once the term starts, certain steps must be taken to ensure a class change is warranted. Minimally, the student should arrange a conference with the individual teacher. Only then should the student see a counselor for consideration of a class change. Students requesting a change to a more difficult core area course will be readily accepted provided space is available. For more information, see your school counselor.

AP/Dual Credit Information

Advanced Placement (AP)
Certain advanced courses in the high school program are designated Advanced Placement. The Advanced Placement examinations given each May, on a standardized national test day, are scored by the Education Testing Service. Each examination receives an overall grade on a five-point scale:

- 5 points = extremely well qualified
- 4 points = well qualified
- 3 points = qualified
- 2 points = possibly qualified
- 1 point = no recommendation

Each college decides which AP examination grades it will accept. Some colleges accept grades of 3 or better and give the student credit as if that person had taken one or more basic courses in the subject tested. In some cases, credit is not given, but the necessity of taking basic courses is waived. Students are encouraged to check individual college AP credit policies at: http://collegesearch.collegeboard.com/apcreditpolicy/index.jsp
It is recommended that college bound students consider taking one or more AP courses. Research shows students completing one or more AP courses, regardless of their grade; do better in college than those never taking AP courses. The current cost is $89.00 per AP exam. Courses that help students prepare for AP tests are listed on the following page.

**Dual Credit**

The Dual Credit program for high school juniors and seniors is offered in cooperation with the University of Missouri-Kansas City (UMKC) and Missouri Western State University (MWSU). A student must meet college admissions requirements in order to qualify for dual credit. Dual credit classes are aligned with the curriculum at UMKC and MWSU, but are taught in the high school classroom. Tuition and fees are approximately $90 per credit hour payable to UMKC and/or MWSU in the first few weeks of class. Students are able to take any of the courses for high school credit only (except for Chemistry II).

<table>
<thead>
<tr>
<th>Courses Available for Advanced Placement/College Dual Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course Name</strong></td>
</tr>
<tr>
<td>AP Biology</td>
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<tr>
<td>Dual Credit Chemistry</td>
</tr>
<tr>
<td>AP Calculus AB</td>
</tr>
<tr>
<td>AP English Language &amp; Composition</td>
</tr>
<tr>
<td>AP English Literature &amp; Composition</td>
</tr>
<tr>
<td>Critical Discourse</td>
</tr>
<tr>
<td>AP U.S. History</td>
</tr>
<tr>
<td>AP U.S. Government &amp; Politics</td>
</tr>
<tr>
<td>AP Studio Art</td>
</tr>
<tr>
<td>College Algebra</td>
</tr>
<tr>
<td>Pre-Calculus</td>
</tr>
<tr>
<td>Environmental Science</td>
</tr>
<tr>
<td>French III/French IV</td>
</tr>
<tr>
<td>AP Comparative Government &amp; Politics</td>
</tr>
<tr>
<td>AP World History</td>
</tr>
<tr>
<td>Advanced Speech</td>
</tr>
<tr>
<td>AP Psychology</td>
</tr>
<tr>
<td>AP Statistics</td>
</tr>
</tbody>
</table>

**PCHS Online Program**

Platte County School District provides an online learning experience for students. Online courses are taught by certified district teachers and meet the national, state, and district standards. All courses can be accessed 24 hours a day, seven days a week, using an internet-connected computer.

Readiness for Online Learning: A Self-Assessment

- I am technically capable of completing coursework on my Chromebook.
- I am comfortable using my Chromebook on most days of the week to access my online course.
- I have a reliable internet connection outside of the school day.
- I can access my Platte County email account and check it daily for updates.
- I understand that self-motivation is a key component of online learning.
- I am comfortable with the fact that I will not likely have a face to face contact with my online teacher.
- I understand that establishing a plan for frequent study time away from distractions is important for success in an online course.
## COURSE DESCRIPTIONS BY DEPARTMENT

### General Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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### Science

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<td>11, 12</td>
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<td>Child Development I</td>
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<td>Human Development</td>
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### Project Lead The Way

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Introduction to Engineering Design</td>
<td>1</td>
<td>9, 10, 11, 12</td>
<td>Strong visualization &amp; problem-solving skills; concurrently enrolled in Algebra I or above</td>
<td>69</td>
</tr>
<tr>
<td>Civil Engineering &amp; Architecture</td>
<td>1</td>
<td>10, 11, 12</td>
<td>Strong visualization &amp; problem-solving skills, IED</td>
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<tr>
<td>Principles of Engineering</td>
<td>1</td>
<td>10, 11, 12</td>
<td>Strong visualization &amp; problem-solving skills; concurrently enrolled in Geometry or above, IED</td>
<td>69</td>
</tr>
<tr>
<td>Computer Integrated Manufacturing</td>
<td>1</td>
<td>10, 11, 12</td>
<td>Strong visualization &amp; problem-solving skills; concurrently enrolled in Geometry or above, IED</td>
<td>70</td>
</tr>
<tr>
<td>Digital Electronics</td>
<td>1</td>
<td>11, 12</td>
<td>Strong visualization &amp; problem-solving skills; while enrolled in Geometry or above, IED, POE</td>
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<tr>
<td>Engineering Design &amp; Development</td>
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<td>Senior Level Course, IED, POE</td>
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<tr>
<td>Biomedical Science</td>
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<td>49 &amp; 71</td>
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<tr>
<td>Human Body Systems</td>
<td>1</td>
<td>10, 11, 12</td>
<td>Biomedical Science (PTLW)</td>
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### Physical Education

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<tr>
<td>Basic Physical Education</td>
<td>.5 or 1</td>
<td>9</td>
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<tr>
<td>Advanced Physical Education</td>
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<td>10, 11, 12</td>
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<tr>
<td>Social Dance</td>
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<td>9, 10, 11, 12</td>
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<tr>
<td>Power Walking</td>
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<td>9, 10, 11, 12</td>
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<tr>
<td>Intro to Men’s or Women’s Strength Conditioning</td>
<td></td>
<td>9, 10, 11, 12</td>
<td></td>
<td>73</td>
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<tr>
<td>Men’s or Women’s Strength Conditioning</td>
<td>.5</td>
<td>9, 10, 11, 12</td>
<td>Intro to Men’s or Women’s Strength Conditioning</td>
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## Fine Arts (must select one credit)

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<thead>
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<tr>
<td>Art Exploration</td>
<td>.5</td>
<td>9, 10, 11, 12</td>
<td></td>
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<tr>
<td>Discover the Arts *</td>
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<tr>
<td>Drawing &amp; Painting I</td>
<td>.5</td>
<td>9, 10, 11, 12</td>
<td>Art Exploration</td>
<td>74</td>
</tr>
<tr>
<td>Drawing &amp; Painting II</td>
<td>.5</td>
<td>10, 11, 12</td>
<td>Art Exploration &amp; Drawing &amp; Painting I</td>
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<tr>
<td>Graphic Design</td>
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<td>Art Exploration &amp; Drawing &amp; Painting I</td>
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<td>Ceramics &amp; Sculpture I</td>
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<td>Ceramics &amp; Sculpture II</td>
<td>.5</td>
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<td>Art Exploration &amp; Ceramics &amp; Sculpture I</td>
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<tr>
<td>Studio Art</td>
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<td>Drawing &amp; Painting I &amp; II, Ceramics &amp; Sculptures I &amp; II and Graphic Design</td>
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<td>AP Studio Art</td>
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<td>Drawing &amp; Painting I &amp; II, Ceramics &amp; Sculptures I &amp; II and Graphic Design</td>
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<tr>
<td>Art Appreciation *</td>
<td>.5</td>
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<tr>
<td>Printmaking</td>
<td>.5</td>
<td>10, 11, 12</td>
<td>Art Exploration</td>
<td>76</td>
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<tr>
<td>Theatre I</td>
<td>1</td>
<td>9, 10, 11, 12</td>
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<tr>
<td>Theatre II</td>
<td>1</td>
<td>10, 11, 12</td>
<td>Theatre I</td>
<td>77</td>
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<tr>
<td>Pirate Performers</td>
<td>1</td>
<td>9, 10, 11, 12</td>
<td>Audition Only</td>
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<tr>
<td>Stagecraft &amp; Set Design I</td>
<td>1</td>
<td>10, 11, 12</td>
<td>Theatre I</td>
<td>77</td>
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<tr>
<td>Stagecraft &amp; Set Design II</td>
<td>1</td>
<td>11, 12</td>
<td>Stagecraft &amp; Design I</td>
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<td>Band (Marching/Concert)</td>
<td>1</td>
<td>9, 10, 11, 12</td>
<td>Middle School Band or consent of the Instructor</td>
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<tr>
<td>Jazz Ensemble</td>
<td>1</td>
<td>9, 10, 11, 12</td>
<td>Audition Only</td>
<td>78</td>
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<tr>
<td>Flag Corps</td>
<td>.5</td>
<td>9, 10, 11, 12</td>
<td>Audition Only</td>
<td>79</td>
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<tr>
<td>Women's Choir</td>
<td>1</td>
<td>9, 10, 11, 12</td>
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<tr>
<td>Men's Choir</td>
<td>1</td>
<td>9, 10, 11, 12</td>
<td></td>
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<tr>
<td>Freshman Honor Choir</td>
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<tr>
<td>Concert Choir</td>
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<td>Audition Only</td>
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<tr>
<td>Sound Express</td>
<td>1</td>
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<td>Audition Only</td>
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<td>Music Appreciation</td>
<td>.5</td>
<td>9, 10, 11, 12</td>
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<tr>
<td>Foundations of Music Theory</td>
<td>1</td>
<td>11, 12</td>
<td>Completion of one(1) year high school level music performance class</td>
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<tr>
<td>Music Technology</td>
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<td>9, 10, 11, 12</td>
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## Electives

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<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>French I</td>
<td>1</td>
<td>9, 10, 11, 12</td>
<td>Recommended B or better in English</td>
<td>81</td>
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<tr>
<td>French II</td>
<td>1</td>
<td>10, 11, 12</td>
<td>French I (C or better)</td>
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</table>
## Electives (continued)

<table>
<thead>
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<th>Pre-Requisites</th>
<th>Page</th>
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</thead>
<tbody>
<tr>
<td>French III (FRE100: Elementary French &amp; FRE101: Elementary French II)</td>
<td>1 (CC)</td>
<td>10, 11, 12</td>
<td>Teacher recommendation and a “B’ or better in French II</td>
<td>81</td>
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<tr>
<td>French IV (FRE200: Intermediate French II &amp; FRE201: Intermediate French II)</td>
<td>1 (CC)</td>
<td>10, 11, 12</td>
<td>Teacher recommendation and enrollment in French III or successful completion of French III</td>
<td>82</td>
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<tr>
<td>Spanish I</td>
<td>1</td>
<td>9, 10, 11, 12</td>
<td>Recommended B average or better in English</td>
<td>82</td>
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<tr>
<td>Spanish II</td>
<td>1</td>
<td>10, 11, 12</td>
<td>Spanish I (C or better)</td>
<td>82</td>
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<tr>
<td>Spanish III</td>
<td>1</td>
<td>11, 12</td>
<td>Teacher Recommendation &amp; Spanish II</td>
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<tr>
<td>Spanish IV</td>
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<td>12</td>
<td>Teacher Recommendation &amp; Spanish III</td>
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<tr>
<td>ACT PREP</td>
<td>.5</td>
<td>11, 12</td>
<td>Algebra I &amp; Geometry</td>
<td>83</td>
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<tr>
<td>Peer Helping</td>
<td>.5</td>
<td>11, 12</td>
<td>2.5 GPA or better and 95% Attendance, signed A+ agreement</td>
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<tr>
<td>Mentor Leadership</td>
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<td>10, 11, 12</td>
<td>Application &amp; Screening Process</td>
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<td>Debate I</td>
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<td>This is an Elective Credit</td>
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<td>Innovations</td>
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<td>11, 12</td>
<td>Teacher Approval</td>
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<td>10, 11, 12</td>
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<td>Leadership &amp; Development II</td>
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<td>Leadership &amp; Development I &amp; teacher approval</td>
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<tr>
<td>Self-Development *</td>
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### Practical Arts Off-Campus Programs

**Practical Arts Off-Campus Programs**

Northland CAPS (Off-Campus)

Note: All programs require application and approval

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Grade</th>
<th>Pre-Requisites</th>
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<tbody>
<tr>
<td>Digital Media and Design</td>
<td>3</td>
<td>11, 12</td>
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<td>86</td>
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<td>Engineering and Advanced Manufacturing</td>
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<td>11, 12</td>
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<td>86</td>
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<td>Global Business and Logistics</td>
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<td>11, 12</td>
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<tr>
<td>Medicine and Healthcare</td>
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<td>11, 12</td>
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<td>Technology Solutions</td>
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<tr>
<td>Agricultural Sciences I</td>
<td>3</td>
<td>11, 12</td>
<td>Algebra I &amp; Basic Science</td>
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<td>Agricultural Sciences II</td>
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<td>Agricultural Sciences I</td>
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<td>Course</td>
<td>Credit</td>
<td>Grade</td>
<td>Pre-Requisites</td>
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<td>3</td>
<td>11, 12</td>
<td>See Prerequisites-page 88</td>
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<td>Aviation Technology I</td>
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<td>Construction Technology I</td>
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<td>11, 12</td>
<td>See Prerequisites-page 89</td>
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<td>Diesel Technology I</td>
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<td>See Prerequisites – page 90</td>
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<td>Diesel Technology I</td>
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<td>3</td>
<td>11, 12</td>
<td>See Prerequisites-page 91</td>
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<td>Health Sciences I</td>
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<tr>
<td>Heating/Cooling &amp; Climate Control I</td>
<td>3</td>
<td>11, 12</td>
<td>See Prerequisites-page 92</td>
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<td>11, 12</td>
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<td>Industrial Welding II</td>
<td>3</td>
<td>12</td>
<td>Industrial Welding I</td>
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<tr>
<td>Industrial Welding One Year Certificate</td>
<td>3</td>
<td>12</td>
<td>Seniors only. See Prerequisites-page 93</td>
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<tr>
<td>IT Professionals I</td>
<td>3</td>
<td>11, 12</td>
<td>See Prerequisites-page 94</td>
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<td>IT Professionals II</td>
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<td>Information Technology I</td>
<td>94</td>
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<td>Law Enforcement/Crime Scene Investigation I</td>
<td>3</td>
<td>11, 12</td>
<td>See Prerequisites-page 95</td>
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<tr>
<td>Law Enforcement/Crime Scene Investigation II</td>
<td>3</td>
<td>12</td>
<td>Law Enforcement/Crime Scene Investigation I</td>
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<tr>
<td>Production Technologies I</td>
<td>3</td>
<td>11, 12</td>
<td>See Prerequisites-page 96</td>
<td>96</td>
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<td>Production Technologies II</td>
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<td>12</td>
<td>See Prerequisites-page 96</td>
<td>96</td>
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<td>Teaching Professions I</td>
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<td>11, 12</td>
<td>See Prerequisites-page 96</td>
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<td>Teaching Professions II</td>
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<td>12</td>
<td>Teaching Professions I</td>
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<tr>
<td>Teaching Professions One-Year Certificate</td>
<td>3</td>
<td>12</td>
<td>Seniors only. See Prerequisites-page 97</td>
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</table>
PERSONAL FINANCE
Graduation Requirement: ½ Unit

Course Title: Personal Finance
Prerequisite: None
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Personal Finance

Course Overview: This course will prepare the student to make smart financial decisions. Students will explore topics related to personal budgeting, banking, consumer credit, personal buying, decision making, and preparation of income taxes. Emphasis is placed on developing decision-making skills for real-life situations.

HEALTH
Graduation Requirement: ½ Unit

Course Title: Health
Prerequisite: None
Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Health

Course Overview: This course is an instructional program that helps the individual to understand the definition of a healthy lifestyle. Emphasis is placed on learning high-risk factors and how to avoid them, good physical and mental habits, and methods of disease prevention.
ENGLISH LANGUAGE ARTS OFFERINGS
Graduation Requirement: 4 Units

All students must take the ELA 2 EOC prior to completing high school. Below are recommended pathways to meet graduation requirements.

Additional English Language Arts Courses & Electives: Speech I, Advanced Speech, Creative Writing.
Course Title: **READ 180**

Prerequisite: Recommendation/Test Scores  
Grade Level: 9  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of English and 1 unit of Elective  

Course Overview: This course builds reading comprehension, vocabulary, and writing skills. The course incorporates the latest technology and research in student literacy. Students learn and practice effective reading and writing skills and improve study skills. By the end of the course, students will be able to implement successful reading strategies in all courses.

---

Course Title: **ENGLISH I**

Prerequisite: None  
Grade Level: 9  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of English  

Course Overview: Freshmen-level course. In the course, students will analyze texts through analytical reading, writing, and Socratic discussion. Focus on personal voice development, cultural and social synthesis, and academic analysis skills. Analysis skills will include thoughtful claim development, types of sufficient evidence, examination of fiction and non-fiction of various genres.

---

Course Title: **PRE-AP ENGLISH**

Prerequisite: None  
Grade Level: 10-11  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of English credit  

Course Overview: This course emphasizes reflective, analytical and argumentative forms of communication. Students use the writing process to produce effective arguments that include information from primary and secondary sources. Students demonstrate complex syntax, advanced vocabulary, and increasingly accurate use of the conventions of written language. Students read widely and critically, analyzing and responding to a variety of literature and informational texts including American and World authors. They present and critique oral communications including visuals, and analyze the purpose and the effect on the audience. This course addresses all foundational Common Core and Missouri Learning Standards and skills at greater levels of rigor so that students are prepared to master the challenging reading and writing assignments in AP English courses.

---

Course Title: **AMERICAN HISTORY/HONORS AMERICAN HISTORY & ENGLISH 1 (AMLANG)**

Prerequisite: none  
Grade Level: 9  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Social Studies & 1 unit of English Language Arts  

Course Overview: AMLANG combines the skill development of an ELA class with the content of American History. Students will study a variety of Historical events: Industrial Revolution and growth of the United States; Imperialism; the Progressive Movement, Isolationism, World War 1 & 2; the Great Depression & New Deal; Cold War; the Civil Rights Movement; Vietnam; and other significant events between 1960- to present History. Pre-AP English and ELA 1 themes; drawing conclusions; inferring and analysis of text evidence; central and main ideas in text; annotation and citation of readings; writing with organization, purpose, style; reviewing,
revising, editing skill development; presentation through multimedia tools will all be taught and practiced through an American History perspective. Literature study will directly relate to relevant historical topics and events, both fiction and non-fiction. Students will be exposed to a variety of presentation tools, which will provide a great deal of choice and student voice to demonstrate learning.

Recommended: Honors American History/Pre-AP English. This combination will require more reading, writing, research, and independent study. The motivated learner will be challenged and demonstration of enrichment/extension of learning will be expected.

**Course Title: ENGLISH LANGUAGE ARTS II**

Prerequisite: English Language Arts I  
Grade Level: 10  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of English

Course Overview: Students will read short stories, novels, plays, poetry, and nonfiction as well as write various types of essays to include a research. There will be an emphasis on correct grammar usage along with punctuation and spelling. Students will study roots and word origins to build a more powerful vocabulary.

**Course Title: WORLD HISTORY & ENGLISH LANGUAGE II (WH-ELA2)**

Prerequisite: American History/Honors American History and English Language I/Pre AP English  
Grade Level: 10  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Social Studies & 1 unit of English Language Arts

Course Overview: WH-ELA2 blends the standards of English Language II and World History curriculums to provide a more, well-rounded learning experience to encapsulate real-world experiences. Throughout this course, students will be engaged in a sustained research project incorporating the skills and content covered. The course will culminate with a capstone presentation answering the question “How will you make an impact on the world around you?” The presentation will be in the form of a student-led defense of learning.

**Course Title: ENGLISH LANGUAGE ARTS III**

Prerequisite: English Language Arts II or Pre-AP English  
Grade Level: 11-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of English

Course Overview: This course emphasizes improving writing skills through a variety of reading and writing assignments. Students will be familiar with the relationship and influences between American literature and American culture. The students will learn new vocabulary that will enhance their writing, reading, and speaking skills. A research paper is required.
Course Title: HONORS ENGLISH III: AMERICAN LITERATURE

Course: Online
Prerequisites: English Language Arts II
Length: 1 year
Required Materials:
- Death of a Salesman
- Short Fiction: An Anthology
- The Way to Rainy Mountain

Course Overview: American Literature is a general studies program in literature and composition, organized as a survey of American literature. It can stand alone as a complete year of general study in English without a specific prerequisite, but its modular design allows flexibility in how the program is used in the classroom; teachers may use a single unit, lesson, or activity to supplement regular class content. American Literature expands upon and deepens understanding of literary and communication skills covered in Critical Reading and Effective Writing, including reading, writing, language appreciation and aesthetics, listening and speaking, viewing and representing, and research.

Within these general topic areas, special emphasis is placed on writing expository, research, and creative compositions; honing critical and analytic skills through close readings of literary, historical, expository, and functional documents; using context strategies and an understanding of etymology to build vocabulary; and practicing communication skills in online discussions.

Reading selections cover a variety of genres and voices in literature and expository prose. Students read a survey of American literature from colonial to contemporary eras. They are encouraged to respond critically and personally to these works and to use them as a context for thinking about the unique and universal aspects of culture. They learn and practice skills for workplace communication in special activities. Finally, students practice gathering, evaluating, synthesizing, presenting, and documenting information in a unit dedicated to writing research reports.

The content is based on the National Council of Teachers of English (NCTE) standards and is aligned to state standards.

Course Title: ENGLISH LANGUAGE ARTS IV

Prerequisite: English Language Arts III or AP English Class
Grade Level: 12
Course Length: 1 year
Unit(s) of Credit: 1 unit of English

Course Overview: English IV is an appropriate class selection for students entering a two-year or four-year college, as well as students immediately entering the workforce or military upon graduation. Students will interact with various forms of text including: fiction, nonfiction, technical, analytical, and digital media. Students will produce analytical, evaluative, digital, and narrative styles of writing. Students will also be involved with short-term and long-term projects. These projects will be student-centered and rigorous as they will focus on the academic and life skills of: goal-setting, problem-solving, and risk-taking. In addition, students should be prepared to self-evaluate and self-direct personal areas of study and interest.
Course Title: HONORS ENGLISH IV: BRITISH AND WORLD LITERATURE

Course: Online
Prerequisites: English Language Arts II
Length: 1 year
Required Materials:
- Things Fall Apart
- Short Fiction: An Anthology

Course Overview: British and World Literature offers a survey of British literature that illustrates the origins of English-language literature and reflects its reach beyond the British Isles. The course is standards-based. Each activity correlates to state standards in six core areas: reading, writing, language (appreciation and aesthetics), listening and speaking, viewing and representing (including media literacy), and research. The course gives students meaningful practice in fundamental literacy skills while introducing them to classics of British and world literature.

Throughout the course, students are encouraged to think and respond independently, critically, and creatively to the subject matter, whether it’s a work of literature, a piece of nonfiction writing, or a media work. The course emboldens students to approach these works — both on their own terms and within a larger context — while providing them with the tools and encouragement they need in order to do so.

The content is based on the National Council of Teachers of English (NCTE) standards and is aligned to state standards.

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Course Title: GOVERNMENT & ENGLISH LANGUAGE III (GOLANG)

Prerequisite:  
Grade Level: 11
Course Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies & 1 unit of English Language Arts

Course Overview: GoLang is a combination course where students are dual enrolled in both English Language III and Government. Please see the course descriptions for these courses.

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Course Title: AP GOVERNMENT & AP ENGLISH LANGUAGE (AP GOLANG)

Prerequisite: World History/ AP World History & Pre AP English
Grade Level: 11
Course Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies & 1 unit of English Language Arts

Course Overview: AP GoLang is a rigorous course of study whereby students are dual enrolled in both AP English Language and AP Government. This class is meant to be the equivalent of two (2) freshman college courses and can earn student college credit in both areas. The student is expected to participate in the course and study for both classes outside of the normal class hours. AP Language skills of rhetoric, analysis, argument and synthesis will be taught through the U.S. Government primary source texts, as well as related other non-fiction texts and the study of general concepts used to interpret U.S. Government and Politics. Students will be assigned regular reading and participate in regular Socratic discussions in addition to being assessed with AP-level multiple choice exams and essay questions.
**Course Title: AP ENGLISH**
Prerequisite: English Language Arts II or Pre-AP English
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of English

Course Overview: This course is a combination of AP English Language and Composition and AP English Literature and Composition. Please see the course descriptions for both courses for this course.

**Course Title: AP ENGLISH LANGUAGE AND COMPOSITION**
Prerequisite: English Language Arts II or Pre-AP English
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of English

Course Overview: This course will engage the student in becoming a skilled reader of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming a skilled writer who composes for argument, analysis, and synthesis. Through their writing and reading, students become aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. This course will prepare the student to take the AP English Language and Composition test to earn hours of college credit. Two texts and various activities are required summer assignments in preparation for this course.

**Course Title: AP ENGLISH LITERATURE AND COMPOSITION**
Prerequisite: English Language Arts II or Pre-AP English
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of English

Course Overview: This course will engage the student in the careful reading and critical analysis of imaginative literature. Through selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. This course will prepare the student to take the AP English Literature and Composition test to earn hours of college credit. Two novels are required summer reading in preparation for this class.

**Course Title: CRITICAL DISCOURSE (FORMERLY ADVANCED COMPOSITION)**
Prerequisite: English III or AP English Language and Composition, as well as a 3.0 GPA
Grade Level: 12
Course Length: 1 year
Unit(s) of Credit: 1 unit of English and 3 or 6 college hours (English 110 and English 214)

Course Overview: This course is offered through UMKC with the first semester corresponding to the university English course called Introduction to Academic Prose. This is a writing-intensive course which will focus on promoting students' prewriting, drafting, editing, and revision skills through a "writing process" approach. The second semester corresponds to the university course called Introduction to Fiction. This semester is a reading/writing intensive course that provides an in-depth study of the elements of fiction. Two texts are required summer reading for this class.
Please Note: To earn college credit, a student must have to have a GPA of a 3.0 is required, along with a 21 composite ACT score.

**Course Title: APPLIED COMMUNICATION**

Prerequisite: English Language Arts II  
Grade Level: 12 or teacher recommendation  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of English

Course Overview: This course emphasizes the application of communication principles to the real world and involves the students in hands-on learning through entrepreneurship. Areas covered include communicating in the workplace, using problem-solving techniques, participating in groups, gathering and using information, writing effectively, up-grading skills, and retraining for career changes using grammar and the English language.

**Course Title: SPEECH I**

Prerequisite: None  
Grade Level: 9-12  
Course Length: 1 semester  
Unit(s) of Credit: ½ unit of English

Course Overview: The course familiarizes students with all levels of communication: intrapersonal, interpersonal, group, public and mass. The focus will be physical presence, voice and content. Students present a variety of speeches to increase understanding of audience, purpose and style.

**Course Title: ADVANCED SPEECH (COM104: ORAL COMMUNICATION)**

Prerequisite: None  
Grade Level: 11 - 12  
Course Length: 1 semester  
Unit(s) of Credit: ½ unit of English

Course Overview: This course will provide an overview of the theory and guided practice of the skills used in intrapersonal, interpersonal, group, and public communication. Students will conduct an interview, participate in small group discussions, and present both an informative and persuasive speech.

Recommendation: For juniors and senior students who can handle college-level curriculum.

Please Note: To earn college credit, through Missouri Western State University, a student must have a GPA of a 3.0 is required or visit with your counselor about options.

**Course Title: DEBATE I**

Prerequisite: None  
Grade Level: 9-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Elective

Course Overview: This course is designed to teach the skills of analysis, research and reasoning. Students learn to logically develop and organize rational arguments on both sides of controversial subjects and defend those arguments thoughtfully and articulately from the attack of others. Course work includes the study of basic debate theory and topic analysis, the completion of written assignments such as simple case formats, briefs,
persuasive speeches and participation in practice and competitive debates on a novice level. Students accumulate points for membership in the National Speech and Debate Association. Participation in four interscholastic debate and forensic tournaments during the year is required. This commitment includes rehearsal in addition to classroom hours and weekend travel with the Speech and Debate Team.

**Course Title: ADVANCED DEBATE**

Prerequisite: Debate I  
Grade Level: 10-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of English

Course Overview: This class is a two-semester course designed to assist students in redefining basic skill learned in Debate I and to teach advanced debate theory along with more complex principles of strategic debate and argumentation. Course work includes advanced study in debate theory, debate strategy and topic analysis; completion of written assignments such as varied case formats, negative and affirmative briefs, persuasive speeches, and participation in practice debates as well as competitive debates on a varsity level. Students must prepare individual speaking events for competition and will accumulate points for advanced membership in the National Speech and Debate Association. Participation in four interscholastic speech and debate tournaments for the year is required.

**Course Title: CREATIVE WRITING**

Prerequisite: None  
Grade Level: 10-12  
Course Length: 1 semester  
Unit(s) of Credit: ½ unit of English

Course Overview: The student will analyze works of fiction, nonfiction, and poetry in order to learn the style of different genres. Using a variety of free writing and alternative techniques, the student will create various compositions in order to develop voice, style, and a strong writing ability.

**Course Title: SHORT STORY**

Course: Online  
Prerequisites: None  
Grade Level: 10-12  
Course Length: 1 semester  
Unit(s) of Credit: ½ unit of English

Course Overview: This is a survey course of American, European, multi-ethnic, and a variety of short stories from classic to contemporary authors. The course includes reading, writing, discussion, presentations, and a general study of the short story as a literary form.
Course Title: CONTEMPORARY WORLD LITERATURE
Course: Online
Prerequisites: None
Grade Level: 9-12
Course Length: 1 semester (Fall Semester Only)
Unit(s) of Credit: ½ unit of English
Course Description: Introduction to writing by minorities within the culture of the Americas. Multiculturalism as a political, educational, or literary movement is concerned with representation. The goal of the movement is to have representation by all, to assure everyone a voice – in politics, in mainstream literature, in the classroom. Multicultural literature allows readers to become aware of how different people have different experiences as well as how we, as human beings, share the capacity for joy and suffering. Semester I of this course will focus on the writings and social/historical circumstances of diverse cultural groups.

Course Title: CONTEMPORARY WOMEN’S LITERATURE
Course: Online
Prerequisites: None
Grade Level: 9-12
Course Length: 1 semester (Spring Semester Only)
Unit(s) of Credit: ½ unit of English
Course Description: Introduction to writing by minorities within the culture of the Americas. Multiculturalism as a political, educational, or literary movement is concerned with representation. The goal of the movement is to have representation by all, to assure everyone a voice – in politics, in mainstream literature, in the classroom. Multicultural literature allows readers to become aware of how different people have different experiences as well as how we, as human beings, share the capacity for joy and suffering. Semester II will focus on the writings and social/historical circumstances of women.

Course Title: MYTHOLOGY
Course: Online
Prerequisite: English Language Arts II
Grade Level: 11-12
Course Length: 1 semester
   1st Semester – Ancient Greece
   2nd Semester – World
Unit(s) of Credit: ½ unit of English
Course Overview: This course focuses on myth and legend from diverse cultures and across time. Students will be asked to think deeply and express themselves articulately. Reading, vocabulary enrichment, composition, and discussion will be emphasized.
Course Title: MEDIA LITERACY

Course: Online
Prerequisites: None
Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of English

Course Overview: Media Literacy teaches students how to build the critical thinking, writing, and reading skills required in a media-rich and increasingly techno-centric world. In a world saturated with media messages, digital environments, and social networking, concepts of literacy must expand to include all forms of media. Today’s students need to be able to read, comprehend, analyze, and respond to non-traditional media with the same skill level they engage with traditional print sources.

A major topic in Media Literacy is non-traditional media reading skills, including how to approach, analyze, and respond to advertisements, blogs, websites, social media, news media, and wikis. Students also engage in a variety of writing activities in non-traditional media genres, such as blogging and podcast scripting.

Students consider their own positions as consumers of media and explore ways to use non-traditional media to become more active and thoughtful citizens. Students learn how to ask critical questions about the intended audience and underlying purpose of media messages, and study factors which can contribute to bias and affect credibility.

The course content is based on The National Association for Media Literacy Education's Core Principles of Media Literacy Education, as well as aggregate state standards and research into best pedagogical practices.
All students must take the Algebra EOC prior to completing high school. Below are recommended pathways to meet graduation requirements.
Course Title: PRE-ALGEBRA
Prerequisite: None
Grade Level: 9
Course Length: 1 year
Unit(s) of Credit: 1 unit of Mathematics
Course Overview: This course is designed to raise mathematics achievement and make mathematics meaningful and relevant to every student. The course emphasizes understanding and representing mathematics verbally, symbolically, graphically, and numerically, rather than just finding solutions.

Course Title: ALGEBRA I
Prerequisite: None
Grade Level: 9
Course Length: 1 year
Unit(s) of Credit: 1 unit of Mathematics
Course Overview: This class is designed to cover the first course in Algebra, including all operations with real numbers, all operations with polynomials, solving linear and quadratic equations and systems of equations. The course will apply problem solving to practical situations. The student will have the requisite skills essential for the study of higher mathematics. Practice will be expected.

Course Title: ALGEBRA TRANSITIONS
Prerequisite: None
Grade Level: 9 – 10
Course Length: 1 year
Unit(s) of Credit: 1 unit of Mathematics
Course Overview: This class is designed to cover the first course in Algebra, including all operations with real numbers, all operations with polynomials, solving linear and quadratic equations and systems of equations. The course will apply problem solving skills to practical situations. The student will have the requisite skills essential for the study of higher mathematics. Completion of daily assignments will be expected.

Course Title: GEOMETRY
Prerequisite: Algebra I
Grade Level: 9 – 12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Mathematics
Course Overview: This class involves the integration of logical reasoning and spatial visualization skills. The course includes a study of lines, triangles, quadrilaterals, circles, and an introduction to trigonometry as well as applying skills learned in Algebra I in a geometric setting. This course can be taken concurrently with Algebra II or Honors Algebra II.
Course Title: **HONORS GEOMETRY**

Prerequisite: Algebra I  
Grade Level: 9 - 10  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Mathematics  

Course Overview: This class is designed to rigorously cover Geometry. There is heavy emphasis on problem solving and utilizing complex thinking skills. This course is recommended for the student who has a strong foundation in mathematics, is college bound, and is willing to put forth effort for his/her education. This course can be taken concurrently with Algebra II or Honors Algebra II.

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Course Title: **ALGEBRA II**

Prerequisite: Geometry or Honors Geometry  
Grade Level: 10-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Mathematics  

Course Overview: This course involves the study of a variety of functions (linear, quadratic, polynomial, and rational) to learn to graph, compare and manipulate the functions in order to solve problems. Properties and applications of exponents and exponential functions will also be studied. Students develop problem solving skills, logical reasoning and mathematical communication skills required for success in higher math courses. Practice will be expected. This course can be taken concurrently with Geometry or Honors Geometry.

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Course Title: **HONORS ALGEBRA II**

Prerequisite: Geometry or Honors Geometry  
Grade Level: 10-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Mathematics  

Course Overview: Honors Algebra II accelerates the curriculum pace to allow the student to get a more in-depth study of a variety of functions (linear, quadratic, polynomial, and rational) to learn to graph, compare and manipulate those functions in order to solve problems. Properties and applications of exponents and exponential functions will also be studied. Students develop rigorous problem solving skills, logical reasoning and mathematical communication skills required for success in higher math courses. Practice will be expected. This course can be taken concurrently with Geometry or Honors Geometry.

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Course Title: **TRIGONOMETRY**

Prerequisite: Successful completion of Algebra II (B or better).  
Grade Level: 11-12  
Course Length: 1 semester  
Unit(s) of Credit: ½ unit of Mathematics  

Course Overview: This course covers all aspects of triangle and circle trigonometry and graphing theory. Practice will be expected.
Course Title: **PRE-CALCULUS (MATH 120: PRE-CALCULUS)**

Prerequisite: Successful completion of three units of high school level mathematics (Algebra I and higher.)  
Grade Level: 11-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Mathematics and/or 5 college hours with UMKC.  


Please Note: To earn college credit, at University of Missouri – Kansas City, a student must have a GPA of a 3.0 is required, along with a 21 composite ACT score.

Course Title: **INTRODUCTION TO COLLEGE MATHEMATICS**

Prerequisite: Algebra II  
Grade Level: 11-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Mathematics  

Course Overview: Intro to College Math is a mathematics course that follows Algebra I, Geometry, and Algebra II. The curriculum emphasizes mathematical applications, and it prepares students to use algebra, geometry, trigonometry, and discrete mathematics to model a range of situations and solve problems. This course includes the mathematics that is essential for all students to be college ready.

Course Title: **STATISTICS**

Prerequisite: Algebra II  
Grade Level: 10-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Mathematics  

Course Overview: This course in statistics will introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. This course introduces many of the major topics covered in a college statistics course. These topics include summarizing data and representing data graphically in various ways, exploring random phenomena and probability, and using statistical inference to estimate population parameters and test hypothesis.

Course Title: **AP STATISTICS**

Prerequisites: Algebra II  
Grade Level: 10 – 12  
Course Length: 1 year  
Units of Credit: 1 unit of Mathematics  

Course Overview: The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- Exploring Data: Describing patterns and departures from patterns
- Sampling and Experimentation: Planning and conducting a study
- Anticipating Patterns: Exploring random phenomena using probability and simulation
- Statistical Inference: Estimating population parameters and testing hypothesis
Students who successfully complete the course and examination may receive credit and/or advanced placement for a one semester introductory college statistics course. Statistics has applications in almost every field, so this class is designed for any motivated, college-bound student, no matter their future course of study.

**Course Title: COLLEGE ALGEBRA (MATH 110: COLLEGE ALGEBRA)**

Prerequisite: Successful completion of Algebra II (B or better). Students wishing to take this course for college credit must have a minimum 3.0 GPA along with a 21 composite on the ACT.
Grade Level: 11-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Mathematics and 3 college credit hours with UMKC.

Course Overview: This course covers an in-depth study of the structure of the real number system, computational skills, equation solving, and functional analysis including polynomial, rational, algebraic, exponential, and logarithmic functions. Graphing, systems of equations and matrices will also be covered. Students can receive three hours of dual credit (MAT 110) from UMKC upon successful completion of the course. A fee is required for dual credit. This course is intended for students who are not planning on majoring in a math or science field and who are looking to use this class to meet their college math requirement. This course is not for students who have successfully completed Pre-Calculus.

Please Note: To earn college credit, at University of Missouri – Kansas City, a student must have a GPA of a 3.0 is required, along with a 21 composite ACT score.

**Course Title: AP CALCULUS AB (MATH 210: CALCULUS I)**

Prerequisite: Successful completion (B or better) in Pre-Calculus. Students wishing to take this course for college credit must have a minimum 3.0 GPA along with a 21 composite on the ACT.
Grade Level: 11 – 12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Mathematics / 4 credits through UMKC.

Note: The course curriculum will be adjusted as necessary to adequately prepare students for the AP Calculus AB exam.

Course Overview: The content of AP Calculus corresponds to the content of a first year college calculus course with limit theory, differentiation, and integration as its major themes. The course also follows the model of the Advanced Placement (AP) Calculus AB course. AP Calculus AB is designed for the serious and motivated college bound student planning to major in math, science or engineering. This course prepares students to take the AB test. It consists of an intense treatment of topics in Calculus with heavy emphasis on their theoretical basis. These topics included limits, differentiation, and integration, application of differentiation and integration, and logarithmic, exponential, and other transcendental functions. Graphing calculators are required. See instructor for recommendations. Students who successfully complete this course may earn four hours of college credit through UMKC.

Please Note: To earn college credit, at University of Missouri – Kansas City, a student must have a GPA of a 3.0 is required, along with a 21 composite ACT score.
Course Title: AP CALCULUS BC

Prerequisite: Teacher Recommendation
Grade Level: 11 – 12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Mathematics

Course Overview: This is a college-level calculus course designed to meet the Advanced Placement curricular requirements for Calculus BC (equivalent to one year of college calculus). The major topics of this course are limits, derivatives, integrals, the Fundamental Theorem of Calculus, and series. We will investigate and analyze course topics using equations, graphs, tables, and words, with a particular emphasis on a conceptual understanding of calculus. Applications, in particular to solid geometry and physics, will be studied where appropriate.
SCIENCE OFFERINGS

Graduation Requirement: 3 Units
College Prep: 4 Units

All students must take the Biology EOC prior to completing high school. Every student must take Biology or Pre-AP Biology.

Course Title: PHYSICAL SCIENCE
Prerequisite: None (cannot be taken AFTER credit is received in Chemistry 1 and/or Physics)
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science
Course Overview: Physical Science is an introduction to all physical sciences, including the study of the nature of matter and energy and how they are related, as well as the study of the composition, structure, and properties of substances and the changes they undergo. This course will explore some basic physics and some basic chemistry. Emphasis will be placed on relating the study of physical science to the world.

Course Title: BIOLOGY
Prerequisite: None
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science
Course Overview: Biology is an integrated life science course that covers the nature of life, biochemistry, cell structure and function, cellular metabolism, cell cycle, genetics, evolution, and ecology. Biology prepares students for the Missouri End of Course Exam. Biology requires practice and preparation outside of class to master its extensive vocabulary.

Course Title: PRE-AP BIOLOGY
Prerequisite: College ready score on Reading and/or Science sections of the Explore test recommended (cannot take this course AFTER receiving credit in Biology)
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science
Course Overview: Pre-AP Biology is an integrated course in life science. This course uses a college level textbook. Strong non-fiction reading skills are essential for success as students will be required to complete guided reading assignments outside of class. Pre-AP Biology covers Biology content (nature of life, biochemistry, cell structure and function, cellular metabolism, cell cycle, genetics, evolution, and ecology) at a deeper and more detailed level to prepare students for success in AP Biology. Students are expected to complete multi-step labs, analyze data, and write conclusions working independently and in groups. This course should be considered by the student who is a strong reader and writer, is college bound, and is willing to put forth extra effort outside of class. Pre-AP Biology prepares students for the Missouri End of Course Exam.

Course Title: CHEMISTRY I
Prerequisite: Successful completion of Algebra I (C or better is recommended).
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science

Course Overview: This is a general-level chemistry course designed for students who wish to pursue a science or science-related career, or plan to attend college or technical school. Chemistry is an introduction to the physical science which covers the composition, structure, and properties of substances and the changes they undergo. This course will explore qualitative chemistry (descriptions of what is observed), quantitative chemistry (measuring the object, material, or process), and organic chemistry (carbon compounds).

Course Title: DUAL CREDIT CHEMISTRY (Formerly Chemistry II) - (CHE111: GENERAL CHEMISTRY)
Prerequisite: Chemistry I, (typically a C or better) and at least a score of 22 on the Mathematics ACT test and a 3.0 GPA
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science and 5 college hours

Course Overview: A dual-credit course offered through Missouri Western, this course is a rigorous freshman-level college class designed for students with a solid chemistry background. Specific topics and objectives are set by Missouri Western. Considerable laboratory work and problem-solving skills are emphasized. This course should be considered by the college-bound student. For the science major, this will provide a head start toward your program. For the non-science major, this will fulfill one of two science courses required by most universities.

Please Note: To earn college credit, at Missouri Western State University, a student must have to have a GPA of a 3.0 is required, along with a 22 or above on the Math portion of the ACT or visit with your counselor about options.

Course Title: EARTH SCIENCE
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science

Course Overview: Earth Science is the study of the earth and the universe around it. Students will learn about geology, oceanography, meteorology, and astronomy with an emphasis on the importance of Earth Science to their everyday lives. Other topics to be covered will include geophysics, seismology, climatology, and cartography.

Course Title: ENVIRONMENTAL BIOLOGY
Prerequisite: Biology
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science

Course Overview: This course introduces environmental processes and the influence of human activities upon them. Topics include environmental sustainability, ecology and evolution, population growth, natural resources, and a focus on current environmental problems from scientific, social, political, and economic perspectives. Upon completion, students should be able to demonstrate an understanding of environmental interrelationships and of contemporary environmental issues.
Course Title: DUAL CREDIT ENVIRONMENTAL SCIENCE

Prerequisite: Successful completion of Biology (or PreAP Biology) AND Chemistry 1 (C or better is recommended)
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science and 3 college hours with University of Missouri Kansas City (ENV-SCI 110R Understanding the Earth: An Introduction to Environmental Science).

Course Overview: This introductory course surveys the processes that shape our planet. Topics include: plate tectonics and mountain-building, rivers and oceans, atmospheric circulation, weather and climate, and the amazingly complex relationships between life on Earth and the physical environment. The goal of the Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study.

Course Title: AP BIOLOGY

Prerequisite: Path 1: Pre AP Biology AND Chemistry 1 (B or better is recommended). Path 2: Biology AND Chemistry 1 AND Anatomy and Physiology (B or better is recommended) Biology EOC score of proficient or advanced.
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science

Course Overview: This course follows a rigorous and demanding curriculum set forth by the College Board and is comparable to a two semester lab course taken by most beginning Biology majors in college. Students will cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions. Content will be covered in more depth and greater expectations will be placed on interpretation, scientific thinking, and analysis of information than was previously taught in biology courses. In addition, statistical analysis of data and modeling of concepts will be expected. A significant amount of studying must be completed at home to allow time for discussion, labs, and inquiry during class time. Summer assignments are required.

Course Title: ANATOMY

Course: Online
Grade Level: 9-12
Course Length: .5
Unit(s) of Credit: 1/2 unit of Science

Course Descriptions: Students will learn the subject of human anatomy and will cover the topics of body orientation, basic chemistry, cells and tissues, skin and body membranes, skeletal system, muscular system, nervous system with special senses, endocrine system, circulatory system with blood, body defenses, respiratory system, digestive system including body metabolism, urinary system and a unit on human body reproduction. This course is designed for the college-bound student.

Course Title: ANATOMY & PHYSIOLOGY
Prerequisite: Successful completion of Biology (or PreAP Biology) AND Chemistry 1 (C or better is recommended)
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science

Course Overview: This course is designed for the college-bound student interested in the medical field. Students should expect a demanding daily practice load as well as projects, quizzes, and test. A high level of understanding in problem solving and in scientific methods is necessary for success in this course. This course is designed to provide students with an understanding of the function & regulation of the human body and physiological integration of the organ systems to maintain homeostasis. Course content will include neural & hormonal homeostatic control mechanisms, a study of the structure and function of the human body including cells, tissues, and organs of the following systems: integumentary, skeletal, muscular, nervous system and special senses.

Course Title: PHYSICS
Prerequisite: Successful completion of Algebra I AND Geometry (C or better is recommended)
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science

Course Overview: Physics is a course recommended for students who have excelled in Algebra and are college bound. It is an introduction to the physical science which studies the nature of matter and energy and how they are related. This course will explore topics generally found in a college Physics I course but at a pace reasonable for high school students.

Course Title: BIOMEDICAL SCIENCE (PROJECT LEAD THE WAY CURRICULUM)
Prerequisite: No pre-requisites
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science Credit

Course Overview: In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person’s life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Course Fee: $25.00
Course Title: HUMAN BODY SYSTEMS (PROJECT LEAD THE WAY CURRICULUM)
Prerequisite: Biomedical Science (PTLW Curriculum)
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Science Credit
Course Overview: Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries.
Course Fee: $25.00

Course Title: MARINE SCIENCE
Course: Online
Prerequisites: Biology or Pre-AP Biology
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Science
Course Overview: As our amazing planet continues to change over time, it becomes increasingly more apparent how human activity has made environmental impacts. In the marine science course, you will delve deep into Earth’s bodies of water and study geologic structures and how they impact the oceans. You will investigate characteristics of various populations, patterns of distribution of life in our aquatic systems and ongoing changes occurring every day in our precious ecosystems. You will be amazed and enlightened at just how much our oceans and lakes affect climate, weather, and seasonal variations. You will have the opportunity to explore the relationships among living organisms and see how they are affected by our oceans, currents, tides, and waves.

Course Title: ZOOLOGY
Course: Online
Prerequisites: None
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Science
Course Overview: Zoology is the study of animals. This course surveys the major taxa of the animal kingdom while emphasizing evolution, structure, and function, diversity of life, and physiology. Students will establish a knowledge base for advanced work in the biological sciences through developing an understanding of the principles of animal taxonomy and knowledge of the characteristics of the major phyla of animals. This course promotes an appreciation of the diversity of animal life and its ecological significance. Students will demonstrate their knowledge and understanding of the morphology, physiology, and phylogeny of the taxa of the animal kingdom and working knowledge of their anatomy.
American History, World History and American Government are required courses. All students must take and pass the Government EOC (United States Constitution Exam and Missouri Constitution Exam) prior to completing high school.

Below are recommended pathways to meet graduation requirements.
Course Title: AMERICAN HISTORY
Prerequisite: None
Grade Level: 9
Course Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies

Course Overview: This course begins with the Reconstruction Era and ends with the United States in today's world. An overview of the following major topics will be investigated: industrialization and growth of the United States, imperialism, the Progressive Movement, isolationism, World War I, the Great Depression, the New Deal, causes of World War II, the Cold War, the Civil Rights Movement, Vietnam, the 1960's, 1970's, 1980's, 1990's, and the issues of today. Primary and secondary resources, as well as other tools of Social Studies inquiry will be used throughout the course.

Course Title: HONORS AMERICAN HISTORY
Prerequisite: None
Grade Level: 9
Course Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies

Course Overview: This course begins with the Reconstruction Era and ends with the United States in today's world. An overview of the following major topics will be investigated: industrialization and growth of the United States, imperialism, the Progressive Movement, isolationism, World War I, the Great Depression, the New Deal, causes of World War II, the Cold War, the Civil Rights Movement, Vietnam, the 1960's, 1970's, 1980's, 1990's, and the issues of today. Primary and secondary resources, as well as other tools of Social Studies inquiry will be used throughout the course. This course should be considered by the student who is a strong reader, is probably college bound, and is willing to put forth extra effort for his/her education.

Course Title: AMERICAN HISTORY/HONORS AMERICAN HISTORY & ENGLISH LANGUAGE I/PRE-AP ENGLISH (AMLANG)
Prerequisite: none
Grade Level: 9
Course Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies & 1 unit of English Language Arts

Course Overview: AMLANG combines the skill development of an ELA class with the content of American History. Students will study a variety of Historical events: Industrial Revolution and growth of the United States; Imperialism; the Progressive Movement, Isolationism, World War 1 & 2; the Great Depression & New Deal; Cold War; the Civil Rights Movement; Vietnam; and other significant events between 1960- to present History. Pre-AP English and ELA 1 themes; drawing conclusions; inferring and analysis of text evidence; central and main ideas in text; annotation and citation of readings; writing with organization, purpose, style; reviewing, revising, editing skill development; presentation through multimedia tools will all be taught and practiced through an American History perspective. Literature study will directly relate to relevant historical topics and events, both fiction and non-fiction. Students will be exposed to a variety of presentation tools, which will provide a great deal of choice and student voice to demonstrate learning.

Recommended: Honors American History/Pre-AP English. This combination will require more reading, writing, research, and independent study. The motivated learner will be challenged and demonstration of enrichment/extension of learning will be expected.
Course Title: WORLD HISTORY & ENGLISH LANGUAGE II (WH-ELA2)
Prerequisite: American History/Honors American History and English Language I/Pre AP English
Grade Level: 10
Course Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies & 1 unit of English Language Arts
Course Overview: WH-ELA2 blends the standards of English Language II and World History curriculums to provide a more, well-rounded learning experience to encapsulate real-world experiences. Throughout this course, students will be engaged in a sustained research project incorporating the skills and content covered. The course will culminate with a capstone presentation answering the question “How will you make an impact on the world around you?” The presentation will be in the form of a student-led defense of learning.

Course Title: WORLD HISTORY
Prerequisite: None
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies
Course Overview: This course is a study of modern world history, including a brief review of the ancient and medieval periods, foundation of world religions and beliefs, exploration, intellectual revolutions, political revolutions, industrial revolution, nationalism/imperialism through the world wars, Cold War, the quest of countries seeking independence and changes in current global patterns. The course will focus on the development of the world community and help students develop critical thinking skills, objective decision-making skills and a global perspective.

Course Title: AP WORLD HISTORY
Prerequisite: None
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies
Course Overview: The purpose of this course is to develop greater understanding of global historical processes and contrasts viewed against the interaction of different types of human societies. The course highlights the changes in international framework, their causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge used in conjunction with leading interpretive issues, types of historical evidence, and appropriate analytical skills. Rather than focusing on continents or states, AP World History focuses on cultural regions or civilizations. It is a part of the cooperative endeavor by high schools, universities, and the College Board to provide highly motivated and talented students the challenge and opportunity to potentially earn college credit during their high school years with successful completion of the course and the student's performance on the AP National Exam taken in May. This course should be considered by the student who is a strong reader, is probably college bound and is willing to put forth extra effort for his/her education.
Course Title: AP EUROPEAN HISTORY
Prerequisite: None
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies

Course Overview: The AP European History course focuses on developing students' understanding of European history from approximately 1450 to present. The course has students investigate the content of European history for significant events, individuals, developments, and processes in four historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction of Europe and the world, poverty and prosperity, objective knowledge and subjective visions, states and other institutions of power, and individual and society) that students explore throughout the course in order to make connections among historical developments in different times and places.

Course Title: GOVERNMENT
Prerequisite: None
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies

Course Overview: This course examines the historical foundation and philosophy of governmental systems, constitutional principles, rights and responsibilities of citizenship, institutions of America and state government, the political process, economic concepts and geographical concepts. The Constitution examination(s) and the course must be passed as required by Section 170.011 RSMo in order for a student to graduate. The state required Civics test, in addition to the End of Course exam will be taken in the class.

Course Fee: $12.00 for White House Decision Center Field Trip Booklet

Course Title: AP US GOVERNMENT
Prerequisite: None
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies

Course Overview: This course examines the historical foundation and philosophy of governmental systems, constitutional principles, rights and responsibilities of citizenship, institutions of America and state government, the political process, economic concepts and geographical concepts. The Constitution examination(s) and the course must be passed as required by Section 170.011 RSMo in order for the student to graduate. The End of Course exam will be taken in the class. The AP program is a part of the cooperative endeavor by high schools, universities, and the College Board to provide highly motivated and talented students the challenge and opportunity to potentially earn college credit during their high school years with successful completion of the course and the student's performance on the AP National Exam taken in May. This course should be considered by the student who is a strong reader, is probably college bound and is willing to put forth extra effort for his/her education.
Course Title: GOVERNMENT & ENGLISH LANGUAGE III (GOLANG)
Prerequisite:  
Grade Level: 11  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Social Studies & 1 unit of English Language Arts  
Course Overview: GoLang is a combination course where students are dual enrolled in both English Language III and Government. Please see the course descriptions for these courses.  
Course Fee: $12.00 for White House Decision Center Field Trip Booklet

Course Title: AP GOVERNMENT & AP ENGLISH LANGUAGE (AP GOLANG)
Prerequisite: World History/ AP World History & Pre AP English  
Grade Level: 11  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Social Studies & 1 unit of English Language Arts  
Course Overview: AP GoLang is a rigorous course of study whereby students are dual enrolled in both AP English Language and AP Government. This is class is meant to be the equivalent of two (2) freshman college courses and can earn student college credit in both areas. The student is expected to participate in the course and study for both classes outside of the normal class hours. AP Language skills of rhetoric, analysis, argument and synthesis will be taught through the U.S. Government primary source texts, as well as related other non-fiction texts and the study of general concepts used to interpret U.S. Government and Politics. Students will be assigned regular reading and participate in regular Socratic discussions in addition to being assessed with AP-level multiple choice exams and essay questions.  
Course Fee: $12.00 for White House Decision Center Field Trip Booklet

Course Title: AP UNITED STATES HISTORY
(HIS140: AMERICAN HISTORY TO 1865 & HIS150: AMERICAN HISTORY SINCE 1865)
Prerequisite: American History & World History  
Grade Level: 11-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Social Studies and 3 college hours if taken as Dual Credit  
Course Overview: The AP U.S. History course is designed to provide students with the analytical skills and factual knowledge necessary to deal with the problems and material in U.S. History. Students should learn to assess historical materials-their relevance to a given interpretive problem, reliability and importance-and to weigh the evidence and interpretation present in historical scholarship. An AP U.S. History course should thus develop the skills necessary to arrive at conclusions on the basis of informed judgment and to present reasoned and evidence clearly and persuasively in essay format. The AP program is a part of the cooperative endeavor by high schools, universities, and the College Board to provide highly motivated and talented students the challenge and opportunity to potentially earn college credit during their high school years by completion of the course and the student's performance on the AP National Exam taken in May. This course should be considered by the student who is a strong reader, is probably college bound and is willing to put forth extra effort for his/her education.  
Please Note: To earn college credit, at Missouri Western State University, a student must have to have a GPA of a 3.0 is required or visit with your counselor about options.
Course Title: COMPARATIVE RELIGION
Course: Online
Prerequisite: None
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Social Studies
Course Overview: Students will study the five most prominent world religions (Buddhism, Christianity, Hinduism, Islam, and Judaism), as well as several other mainstream religions, in an effort to gain an understanding of their impact on today’s society. The purpose of the class is NOT to persuade anyone that one religion is better or worse than any other, but rather to present factual information concerning the primary tenets of each religion and understand how each religion impacts modern society as a whole.

Course Title: PSYCHOLOGY I
Prerequisite: American History and Biology
Grade Level: 11-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Social Studies
Course Overview: Students will receive an overview of psychology to include research and methods, life span, structure and function of the brain, altered states of consciousness, sensation and perception, memory, and thought.

Course Title: PSYCHOLOGY II
Prerequisite: Psychology I
Grade Level: 11-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Social Studies
Course Overview: Students will continue the study of psychology. Topics including: learning principles, motivation and emotion, psychological testing, personality theories, psychological disorders and therapy.

Course Title: AP PSYCHOLOGY
Prerequisites: Biology
Grade Level: 11-12
Length: 1 year
Unit(s) of Credit: 1 unit of Social Studies
Course Overview: AP Psychology provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They’ll study core psychological concepts, such as the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Along the way, students will also investigate relevant concepts like study skills and information retention. The equivalent of a 100-level college survey course, AP Psychology prepares students for the AP Exam and for further studies in psychology and life sciences. This course has been authorized by the College Board to use the AP designation.
Course Title: **Sociology**

Prerequisite: None  
Grade Level: 11-12  
Course Length: 1 semester  
Unit(s) of Credit: ½ units of Social Studies  

Course Overview: Sociology explores the ways people interact with one another, relationships within groups, social institutions, organization of society, and uses of scientific procedures to improve the human condition.

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Course Title: **AP Comparative Government and Politics**

Prerequisite: American History or American Government  
Grade Level: 11-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Social Studies  

Course Overview: The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. Comparison assists both in identifying problems and in analyzing policymaking. This course is the equivalent of a freshman college survey course and can earn students’ college credit after having successfully taken the AP Comparative Government and Politics exam.

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Course Title: **Geography and World Culture**

Course: Online  
Prerequisites: None  
Grade Level: 9-12  
Length: 1 semester  
Unit(s) of Credit: ½ unit of Social Studies  

Course Overview: Geography and World Cultures offers a tightly focused and scaffold curriculum that enables students to explore how geographic features, human relationships, political and social structures, economics, science and technology, and the arts have developed and influenced life in countries around the world. Along the way, students are given rigorous instruction on how to read maps, charts, and graphs, and how to create them.  

It develops note-taking skills, teaches the basic elements of analytic writing, and introduces students to the close examination of primary documents.

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Course Title: **Multicultural Studies**

Prerequisites: None  
Grade Level: 9-12  
Length: 1 semester  
Unit(s) of Credit: ½ unit of Social Studies  

Course Overview: Multicultural Studies is a one-semester elective history and sociology course that examines the United States as a multicultural nation. The course emphasizes the perspectives of minority groups while allowing students from all backgrounds to better understand and appreciate how race, culture and ethnicity, and identity contribute to their experiences.  

Major topics in the course include identity, immigration, assimilation and distinctiveness, power and oppression, struggles for rights, regionalism, culture and the media, and the formation of new cultures.
In online discussions and polls, students reflect critically on their own experiences as well as those of others. Interactive multimedia activities include personal and historical accounts to which students can respond using methods of inquiry from history, sociology, and psychology. Written assignments and journals provide opportunities for students to practice and develop skills for thinking and communicating about race, culture, ethnicity, and identity.

Course Title: U.S. AND GLOBAL ECONOMICS

Course: Online
Prerequisites: None
Grade Level: 9 – 12
Length: 1 semester
Unit(s) of Credit: ½ unit of Social Studies

Course Overview: The course covers fundamental properties of economics, including an examination of markets from both historical and current perspectives; the basics of supply and demand; the theories of early economic philosophers such as Adam Smith and David Ricardo; theories of value; the concept of money and how it evolved; the role of banks, investment houses, and the Federal Reserve; Keynesian economics; the productivity, wages, investment, and growth involved in capitalism; unemployment, inflations, and the national debt; and a survey of markets in areas such as China, Europe, and the Middle East.
PRACTICAL ARTS OFFERINGS

Graduation Requirement: 1 Unit

Course Title: COMPUTER APPLICATIONS
Prerequisite: None
Grade Level: 9 - 12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Practical Arts

Course Overview: Computer Applications is a semester course that offers advanced-level training for students in word processing, presentation, spreadsheet, and database software applications (Microsoft Word and Google Apps). Students will also demonstrate Internet research skills. Workplace projects will help develop critical thinking skills including business letters, memos, resumes, reports and presentations.

Course Title: DIGITAL DESIGN AND PROMOTION (Formerly Desktop Publishing)
Prerequisite: None
Grade Level: 9 - 12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Practical Arts

Course Overview: Digital Design and Promotion is a one-semester course that combines the versatility of the computer with graphic design software including Microsoft Publisher, Adobe CS6 Photoshop, InDesign, and Illustrator. Students will develop proficiency in using graphic arts/desktop publishing software to create flyers, brochures, newsletters, magazines, multimedia presentations, and more. The course includes page composition, layout, design, typography, editing functions, and a variety of printing options. This area of instruction provides content for employment in career areas which include graphic arts/desktop publishing skills. In addition, students are given concepts and skills they can take with them into any professional environment.

Course Title: WEB DESIGN
Prerequisite: None
Grade Level: 9 - 12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Practical Arts

Course Overview: Web Design combines artistic, creative vision with technical knowledge to produce informative, appealing, and easy to use web sites. This class is an activity-oriented course in which students will explore strategies to effectively communicate using the Internet. Students will learn about site layout and content and will become proficient using web development languages and graphical user interface tools to achieve their design objectives.

In addition, the following career related learning standards will be met: problem solving, communication, and teamwork, employment foundations, and career development.
Course Title: **ADVERTISING & MULTI MEDIA** (Formerly Multimedia)

Prerequisite: “B” or Higher in a Technology Course (Business Technology, Computer Applications, Desktop Publishing, Web Design) OR by teacher approval.

Grade Level: 10-12

Course Length: 1 year

Unit(s) of Credit: 1 unit of Practical Arts

Course Overview: Students will learn basic principles of advertising and multimedia and their role in media and society. Throughout this year-long course student will be exposed to the advertising and multimedia environment in the 21st Century, agency and client relationships, consumer behavior, ethics, information technology, and the role of research, creative appeals, and media selection in advertising effectiveness. Students will critically examine the impact of advertising and multimedia on society and culture through the planning and creation of advertising campaigns for the school district and community which will include planning, measurement, evaluation, and reporting of results. Students will gain practical experience in advertising in a professional setting. In addition, the following career related learning standards will be met: problem solving, communication, and teamwork, employment foundations, and career development.

Course Title: **COMPUTER PROGRAMMING**

Prerequisite: Computer Applications

Grade Level: 10-12

Course Length: 1 semester

Unit(s) of Credit: ½ unit of Practical Arts

Course Overview: An introductory course in computer programming that incorporates the basic concepts of programming, problem-solving, and logic. Students will write programs using JavaScript and work independently through the website CodeHS.com.

Course Title: **INTERMEDIATE COMPUTER PROGRAMMING**

Prerequisite: Computer Programming

Grade Level: 10-12

Course Length: 1 semester

Unit(s) of Credit: ½ unit of Practical Arts

Course Overview: An intermediate course in computer programming that incorporates programming, problem-solving, logic, basic animation, and basic game design. Students will write programs using JavaScript and work independently through the website CodeHS.com.

Course Title: **VIDEO PRODUCTION I** (Formerly Intro to Broadcast Journalism)

Prerequisite: None

Grade Level: 9-12

Course Length: 1 semester

Units of Credit: ½ unit of Practical Arts

Course Overview: Students will learn how to become video storytellers by utilizing a variety of technology and equipment. This class will lay the foundation for various forms of video production including, but not limited to promotional videos, music and entertainment videos, movies and documentaries, broadcasting, commercials and PSAs. This class will have two focuses. The first, students will learn to use professional cameras and will understand how to create professional looking footage with them. The second, students will use professional...
editing software to make their ideas, and footage, come to life on-screen. This class is a prerequisite for Video Production II, unless prior approval from teacher.

*Limited number for student enrollment*

**Course Title: VIDEO PRODUCTION II (Formerly Broadcast Journalism)**

Prerequisite: Video Production I and/or Teacher approval, upon successful demonstration of knowledge through a portfolio or project.
Grade level: 9-12
Course length: 1 year
Units of credit: 1 unit of Practical Arts

Course Overview: This class will allow students to be a part of the news crew, PCTV News. Students will take the skills they learned in Video Production 1 and improve upon them by creating packages for the news every week. This class is a student driven class where the students decide what packages they will create for the news on a weekly basis. Students in this class will be video storytellers; each week they will plan out their scripts, operate the camera, conduct interviews, and edit videos. This class will also allow students the opportunity to work in the studio and run many different areas of the control room. In addition, students could have the opportunity to help district, and the community, with their video production needs.

*Limited number for class enrollment*

**Course Title: TECHNOLOGY MAINTENANCE**

Prerequisite: None
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts

Course Overview: This course will allow students to participate in a student technology support team. Students will be trained to troubleshoot, diagnose and repair basic hardware, software, and network issues, particularly related to the Chromebook 1:1 initiative. In addition to training, students will assist in district technology support during class time. Students will be required to assess problem sets throughout the day and define the best approach to addressing or solving the problem. In addition to solving problems for students and teachers, students will be required to complete and maintain several running projects that address problems or solutions in educational technology integration. The course also provides students with the opportunity to pursue an independent learning pathway in one of four areas: innovation, design, entrepreneurship or applications and develop a project which positively impacts their community. Students will be able to collaborate with outside businesses and organizations as they develop and implement their projects. Students will also have the opportunity to collaborate and communicate with Platte County stakeholders such as staff, students and parents in order to be contributing members of Pirate Nation. To be successful in this course, students should have a prior understanding of Google Chrome. First-year student curriculum may vary from that of students enrolled one or more years prior. Course enrollment will be limited and interested students will complete a selection process including an application to take the course.

**Limited number for class enrollment**
Course Title: BUSINESS TECHNOLOGY I
Prerequisite: None
Grade level: 9-12
Course length: 1 semester
Units of credit: ½ unit of Practical Arts

Course Overview: Please see description under Business Technology II

Course Title: BUSINESS TECHNOLOGY II
Prerequisite: Business Technology I or teacher referral
Grade level: 10-12
Course length: 1 semester
Units of credit: ½ unit of Practical Arts

Course Overview: Business Technology I & II allows students to develop the skills needed to communicate quickly and easily through business documents. Students will analyze their work using the full capabilities of software that is appropriate for a business setting. Both courses (Business Technology I - Intermediate / Business Technology II - Advanced) are 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 and 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. This course also provides training or skills many employers find deficient dealing with other people, using the telephone, organizing work, and handling other crucial tasks.

In addition, the following career related learning standards will be met: problem solving, communication, and teamwork, employment foundations, and career development.

Course Title: ACCOUNTING I
Prerequisite: None
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts

Course Overview: This course covers basic accounting principles and procedures including the handling of daily recording and financial activities of a proprietorship, partnership, or corporation. Students will exit with skills of a beginning bookkeeper or preparation for further study in accounting.

Course Title: BUSINESS & PERSONAL LAW
Prerequisite: None
Grade Level: 11-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Practical Arts

Course Overview: This one-semester course is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers, and employees through a mixture of personal, business, and consumer law. The content includes criminal law/torts, family law (marriage, divorce), employer-employee relations, forms of business and careers in law.

Course Title: ECONOMICS
Prerequisite: None  
Grade Level: 10-12  
Course Length: 1 semester  
Unit(s) of Credit: ½ unit of Practical Arts  

Course Overview: This one-semester course will prepare students to master the fundamental economic concepts, appreciate how the principal concepts of economics relate to each other and understand the structure of economic systems. The content will cover economic concepts such as supply, demand, opportunity costs, trade-offs, economic systems, business organizations, labor and wages, money and banking, gross domestic product, economic challenges, the stock market, government and the economy, and the global economy. Students will leave this course with the ability to make reasoned decisions on economic issues as citizens, consumers, and entrepreneurs.

Course Title: ENTREPRENEURSHIP A/B  
Prerequisite: Principles of Business (preferred but not required)  
Grade Level: 10-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Practical Arts  

Course Overview: In this year long course, students will be learning the fundamentals of owning and operating a business.  
In the first semester of the course, students will examine the characteristics and skills possessed by successful entrepreneurs. Students will study the importance of our economic system and the basic principles for creating a small business, such as organization, management, human relations, location, layout, financing, pricing, and marketing. Students will also examine the parts of a business plan.  
In the second semester of the course, students will apply the principles they have obtained in the first semester to an actual class business. Students will form teams for each department in a business (marketing, production, finance, and human resources). Interviews for positions on teams will be conducted by the instructor and a local business person/s (business consultant). Together, the departments will issue stock, open a bank account, conduct market research, design and sell a product, maintain financial records, and form and liquidate a corporation. Throughout this process, students will work hand in hand with a business consultant from the community, who will provide advice and assistance in the management of the business (a local bank). Students will also create a business plan for their business. Profit made by course would be divided among student shareholders, a charity of the class’ choice, and a scholarship for students who take the course.

Course Title: PHOTOJOURNALISM  
Prerequisite: None  
Grade Level: 9-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Practical Arts  

Course Overview: This course is designed to connect traditional photography skill with journalistic rules and guidelines. It will allow students who are interested in pursuing photography and/or communication degrees to further develop their skills and learn more about this particular field. This course will follow the curriculum written by the Journalism Education Association, which is aligned with Common Core Standards and 21st Century Skills. Photojournalism will focus on technology and communication skills while covering many writing skills.

Course Title: JOURNALISM I
**Course Title: NEWSPAPER**

Prerequisite: Journalism I, application, and/or teacher recommendation
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts

Course Overview: Staff members will write stories, edit stories, take photos, layout pages, and perform other assigned tasks for The Pirate Clipper, a newspaper published monthly during the school year. All staff members also are required to sell subscriptions. Students must apply and be selected for a staff position the previous fall.

**Course Title: YEARBOOK**

Prerequisite: Journalism I, application, and/or teacher recommendation
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts

Course Overview: While working to compile and publish the yearbook, The Pirateer, staff members gain skills in layout, photography, interviewing, writing, and computer publishing. All staff members are required to sell sponsorships. Students must apply and be selected for a staff position the previous fall.

**MARKETING COURSE OFFERINGS**

**Course Title: INTRODUCTION TO BUSINESS (Formerly Principles of Business)**

Prerequisite: None
Grade Level: 9-10
Course Length: 1 year
Unit(s) of Credit: ½ unit of Practical Arts

Course Overview: This course provides an overview of the business world. Topics include the basic principles and practices of contemporary business. Upon completion, students should be able to demonstrate an understanding of business concepts as a foundation for studying other business subjects and also by completing a business plan.

In order to increase the number of application experiences, students are required to join DECA, An Association of Marketing Students. Dues are $30 and include membership on the local, state, and national levels and a chapter t-shirt. Students are encouraged to participate in all DECA activities as well as the Competitive Events Program.

Course fee is $30.

**Course Title: MARKETING**
Prerequisite: None  
Grade Level: 10-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Practical Arts

Course Overview: An instructional program for students who are interested in a career in the field of marketing and management, this course includes instructional areas designed to provide an understanding of the fundamental marketing processes and an orientation to the American Free Enterprise system. Senior students may utilize the Marketing Education Internship (Supervised Marketing Education Employment) course to support classroom instruction. Students will use real life practices and co-curricular organizations like DECA.

Course fee is $30.

Course Title: ADVANCED MARKETING  
Prerequisite: Marketing  
Grade Level: 11-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Practical Arts

Course Overview: An instructional program for students for are preparing for a career in the field of marketing and management. Instruction will prepare students to perform one or more of the marketing functions, such as selling, buying, pricing, promoting, market research, and management. The program may utilize the Supervised Marketing Education Employment course to support classroom instruction. Students will use real life practices and co-curricular organizations like DECA.

Course fee is $30.

Course Title: RETAILING (FORMERLY ENTREPRENEURSHIP)  
Prerequisite: Marketing  
Grade Level: 11-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Practical Arts

Course Overview: An instructional program for students who are preparing for a career in the field of Retailing. This course is designed around the School Based Enterprise, Pirate’s Cove Cafe. Students will play a role in running the cafe before school. Students will use real life practices and co-curricular organizations like DECA. This course is only offered as a 2-hour block, 0 hour and 1st hour.

Course fee is $30.

Course Title: MARKETING RESEARCH  
Prerequisite: Advanced Marketing  
Grade Level: 12  
Course Length: 1 year (recommended)  
Unit(s) of Credit: 1 unit of Practical Arts

Course Overview: An instructional program that prepares individuals to provide analytical descriptions of consumer behavior patterns and market environments to marketing managers and other business decision-makers. Includes instruction in survey research methods, research design, new products test marketing, exploratory marketing, consumer needs and preferences analysis, geographic analysis, and applications to specific products and markets.
Course fee is $30.

Course Title: MARKETING INTERNSHIP (Formerly SMEE)
Prerequisite: Marketing (as well as concurrent enrollment in senior level marketing class)
Grade Level: 12
Course Length: 1 semester or 1 year (*Multiple semesters pending teacher approval.)
Unit(s) of Credit: ½ or 1 unit of Practical Arts

Course Overview: The marketing education internship program provides a variety of classroom learning experiences, supervised on-the-job training, and student career-technical organization activities designed to increase student skills and impact success in postsecondary studies and the workplace.

FAMILY AND CONSUMER SCIENCE OFFERINGS

Course Title: CAREER DEVELOPMENT AND ENTREPRENEURSHIP
Prerequisite: None
Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Practical Arts

Course Overview: Career Development and entrepreneurship explores a variety of Family and Consumer Sciences Careers, while looking for opportunities to develop your own entrepreneurship. Students will have the opportunity explore careers related to Human Services, explore, learn and develop an entrepreneurship.

Course Fee $25 for FCCLA Members

Course Title: FOODS AND NUTRITION
Prerequisite: None
Grade Level: 9-12
Course Length: 1 Semester
Unit(s) of Credit: ½ unit of Practical Arts

Course Overview: Nutrition and Foods assists students in understanding the role of nutrition in health and wellness. A brief study of nutrients, food labels and dietary guidelines are a part of the course. Students will also study food safety and sanitation, use of equipment and utensils, kitchen safety, meal planning, table setting and etiquette will be study in preparation of working in the kitchen. Demonstrations, hands-on food labs, guided instruction and cooperative learning are used throughout the course. Ultimately, students will be given the opportunity to have the necessary skills to plan, purchase and prepare nourishing meals and to evaluate and improve their day-to-day food choices.

Course Fee: $35 for lab supplies
Course Title: INTERNATIONAL FOODS
Prerequisite: Foods and Nutrition
Grade Level: 9-12
Course Length: 1 Semester
Unit(s) of Credit: ½ unit of Practical Arts

Course Overview: International Foods assists students in exploring the impact of food around the world. This course emphasizes variety in food products and preparation techniques, diet in health and illness, experimentation in meal patterns, and the significance of food as it relates to various cultures and world conditions. Students will also review food safety and sanitation, use of equipment and utensils, kitchen safety, meal planning, table setting and etiquette to prepare students to work in the kitchen/lab. Demonstrations, hands-on food labs, guided instruction and cooperative learning are used throughout the course. Ultimately, students will be given the opportunity to have the necessary skills to plan, purchase and prepare nourishing meals and to evaluate and improve their day-to-day food choices.

Course Fee: $35 for lab supplies

Course Title: INTERIOR DESIGN
Prerequisite: None
Grade Level: 9-12
Course Length: 1 Semester
Unit(s) of Credit: ½ unit of Practical Arts

Course Overview: Interior Design provides students with the opportunity to study the elements required to create an attractive and functional living space. This course introduces students to the wide variety of careers in the field of housing and interiors through hands-on activities. Technology and actual sample materials are used to develop projects related to architecture and interior design. Creativity and application of the elements and principles of design are emphasized.

Course Title: HOSPITALITY AND TOURISM MANAGEMENT PROGRAM I
Prerequisite: None
Grade Level: 11-12
Course Length: 1-year
Unit(s) of Credit: 1 unit of Practical Arts

Course Overview: The Hospitality and Tourism Management Program (HTMP) is the American Hotel and Lodging Educational Institute's (AHLEI) new high school curriculum that is designed for juniors and seniors. The HTMP curriculum teaches employability skills and job-specific technical skills. The first year content deals specifically with information required for operational level employee positions and responsibilities. The second year content focuses on the leadership and managerial aspects, responsibilities, knowledge, and skills required by an entry-level leader in the industry.

Students have the opportunity to earn the Certified Hospitality and Tourism Management Professional designation from the AHLEI by passing both the HTMP year 1 and 2 final exams and by gaining 100 hours of work experience in a qualifying position.

Guest Service Gold is a short curriculum taught in conjunction with HTMP that provides a solid foundation in guest service skills. Passing the course exam will earn the student a portable, globally-recognized certification designation from the AHLEI, Certified Guest Service Professional. At this time the certification is not an Industry Recognized Credential in Missouri but is recognized by the industry.
Membership of Family, Career and Community Leaders of America (FCCLA) is an expected.
Course fee: $30 for FCCLA Membership.

Course Title: HOSPITALITY AND TOURISM MANAGEMENT PROGRAM II
Prerequisite: None
Grade Level: 11-12
Course Length: 1-year
Unit(s) of Credit: 1 unit of Practical Arts

Course Overview: The Hospitality and Tourism Management Program (HTMP) is the American Hotel and Lodging Educational Institute's (AHLEI) new high school curriculum that is designed for juniors and seniors. The HTMP curriculum teaches employability skills and job-specific technical skills. The first year content deals specifically with information required for operational level employee positions and responsibilities. The second year content focuses on the leadership and managerial aspects, responsibilities, knowledge, and skills required by an entry-level leader in the industry.

Students have the opportunity to earn the Certified Hospitality and Tourism Management Professional designation from the AHLEI by passing both the HTMP year 1 and 2 final exams and by gaining 100 hours of work experience in a qualifying position.

Guest Service Gold is a short curriculum taught in conjunction with HTMP that provides a solid foundation in guest service skills. Passing the course exam will earn the student a portable, globally-recognized certification designation from the AHLEI, Certified Guest Service Professional. At this time the certification is not an Industry Recognized Credential in Missouri but is recognized by the industry.

Membership of Family, Career and Community Leaders of America (FCCLA) is an expected.
Course fee: $30 for FCCLA Membership.

Course Title: CHILD DEVELOPMENT I
Prerequisite: None
Grade Level: 9-12
Course Length: 1 Semester
Unit(s) of Credit: ½ unit of Practical Arts

Course Overview: Child Development I students study the physical, intellectual, social, and emotional development of a child from conception to three years of age. This course teaches parenting and caregiving roles in relation to the developing child as well as guiding them in the learning process. This class is a basic foundation course for any student wanting to pursue a career in education or working with children in any capacity.

Course Title: CHILD DEVELOPMENT II
Prerequisite: Child Development I
Grade Level: 9-12
Course Length: 1 Semester
Unit(s) of Credit: ½ unit of Practical Arts

Course Overview: Child Development II students study the physical, intellectual, social, and emotional development of a child from four to eight years of age. This course teaches parenting and caregiving roles in relation to the developing child as well as guiding them in the learning process. This class is a basic foundation course for any student wanting to pursue a career in education or working with children in any capacity.
Course Title: HUMAN DEVELOPMENT
Prerequisite: None
Grade Level: 9-12
Course Length: 1 Semester
Unit(s) of Credit: ½ unit of Practical Arts

Course Overview: Interpersonal Relationships encourages self-examination and critical thinking relative to adult living. Areas of study include understanding oneself and others, dating, long-term committed relationships, family systems, financial responsibility, parenting, and the life cycle. The course content encourages the development of the skills necessary for successful relationships in today’s changing world.

PROJECT LEAD THE WAY (PLTW) OFFERINGS

Course Title: INTRODUCTION TO ENGINEERING DESIGN
Prerequisite: Strong visualization & problem-solving skills; concurrently enrolled in Algebra I or above
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts

Course Overview: In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation.

Course Fee: $25.00

Course Title: CIVIL ENGINEERING AND ARCHITECTURE
Prerequisite: Strong visualization & problem-solving skills, IED
Grade Level: 10-12
Course Length: 1 Year
Unit(s) of Credit: 1 Unit of Practical Arts

Course Overview: Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software.

Course Fee: $25.00

Course Title: PRINCIPLES OF ENGINEERING
Prerequisite: Strong visualization & problem-solving skills; concurrently enrolled in Geometry or above, IED
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts

Course Overview: This survey course of engineering exposes students to some of the major concepts they’ll encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-
solving skills and apply their knowledge of research and design to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community.

Course Fee: $20.00

**Course Title: COMPUTER INTEGRATED MANUFACTURING**

Prerequisite: Strong visualization & problem-solving skills; concurrently enrolled in Geometry or above, IED
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts

Course Overview: Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system.

Course Fee: $25.00

**Course Title: DIGITAL ELECTRONICS**

Prerequisite: Strong visualization & problem-solving skills; while enrolled in Geometry or above, IED, POE
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts

Course Overview: This survey course of engineering exposes students to some of the major concepts they’ll encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community.

Course Fee: $25.00

**Course Title: ENGINEERING DESIGN & DEVELOPMENT**

Prerequisite: Senior level course, IED, POE
Grade Level: 12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Practical Arts

Course Overview: This capstone course allows students to design a solution to a technical problem of their choosing. They have the chance to eliminate one of the “Don’t you hate it when...” statements of the world. This is an engineering research course in which students will work in teams to research, design, test, and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to guide and help the team to reach a solution to the problem. The team presents and defends their solution to a panel of outside reviewers at the conclusion of the course. The EDD course allows students to apply all the skills and knowledge learned in previously taken Project Lead the Way courses. The use of 3D design software helps students design solutions to the problem their team has chosen. This course also engages students in time management and teamwork skills, a valuable set for students in the future.
Course Fee: $25.00

**Course Title: BIOMEDICAL SCIENCE**

Prerequisite: No pre-requisites  
Grade Level: 9-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Science  

Course Overview: In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Course Fee: $25.00

**Course Title: HUMAN BODY SYSTEMS (PROJECT LEAD THE WAY CURRICULUM)**

Prerequisite: No pre-requisites  
Grade Level: 10-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Science  

Course Overview: Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries.

Course Fee: $25.00
PHYSICAL EDUCATION OFFERINGS

Graduation Requirement: 1 Unit

Course Title: BASIC PHYSICAL EDUCATION
Prerequisite: None
Grade Level: 9
Course Length: 1 Semester or 1 year
Unit(s) of Credit: ½ or 1 unit of Physical Education
Course Overview: This course focuses on the basic skills of physical fitness with emphasis on rules and fundamentals of games and sports including individual, team, and fitness activities.

Course Title: ADVANCED PHYSICAL EDUCATION
Prerequisite: None
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Physical Education
Course Overview: This course involves a combination of fitness, team, and individual sport activities including volleyball, football, and basketball in the fall semester. The spring semester activities will include floor hockey, and softball. The course will also attempt to increase cardiovascular fitness, strength, flexibility and muscular endurance through in-class work and fitness labs.

Course Title: SOCIAL DANCE
Prerequisite: None
Grade Level: 9-12
Course Length: ½ unit of Physical Education
Course Overview: This course is designed for any male or female student who would like to use the assets of dance to improve physical fitness and to develop the confidence and ability to dance for fun. The class is designed to improve physical skills such as posture, strength, flexibility, stamina, and balance. Students will learn the techniques and vocabulary for various types of dance. Appropriate injury prevention techniques will be explored along with aspects of the anatomy and nutrition. Students will perform for each other in class and have the option to put on a semester show.

Course Title: POWER WALKING
Prerequisite: None
Grade Level: 9-12
Course Length: ½ unit of Physical Education
Course Overview: This course is designed to promote aerobic and muscular endurance with the use of safe and mechanically effective walking techniques. This course will incorporate motivational techniques, pacing and prevention of injuries. Furthermore, this course will enhance the students’ practical knowledge of fitness and nutrition concepts as well as establish a sound, individual exercise program that may be maintained throughout life. The main activity component of this class will be walking. Walking routes will include established campus paths, indoor and outdoor tracks.
Course Title: INTRO TO MEN’S OR WOMEN’S STRENGTH AND CONDITIONING

Prerequisite: None
Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Physical Education

Course Overview: This course is a class that introduces students to weight training who have previously not had a weight training class at school. The course will include all five components of fitness: strength, speed, coordination, flexibility, and endurance. The strength training will allow the students to improve overall strength through various lower body exercises with a stresses in proper squatting technique as well as upper body strength. The class will introduce proper technique to Olympic Weightlifting through drills and various exercises. The class will also address important mobility issues with many students today and help improve their range of motion through band distraction, foam rolling, and other modalities commonly used. The class will also have a strong focus on improving student fitness levels which includes cardiovascular and muscular endurance. Taking this class will help prepare them for the next level of Strength and Conditioning that is offered.

Course Title: MEN’S OR WOMEN’S STRENGTH AND CONDITIONING

Prerequisite: Intro to Men's or Women's Strength and Conditioning
Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Physical Education

Course Overview: This course will help improve an individual's overall physical fitness through a variety of physical training methods. The strength training will be evolved around four core lifts including squats, push press, bench press, and hang cleans. The fitness portion of the class may involve aerobic and anaerobic exercises including plyometric, agility stations, and running workouts. The class will also stress the importance of maintaining flexibility through a variety of stretches. **NOTE: We receive a high number of requests for this course. Students may be relocated to an alternate Physical Education course if there are safety, participation, or availability concerns.**
FINE ARTS OFFERINGS
Graduation Requirement: 1 Unit

ART COURSES

**ALL ART COURSES are assessed a $15.00 Course fee for supplies**

Course Title: ART EXPLORATION
Prerequisite: None
Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Fine Art

Course Overview: The student will study art appreciation, art history, and art careers, and explore a variety of media through the application of the elements and principles.

Course Title: DISCOVER THE ARTS
Course: Online
Prerequisite: None
Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Fine Art

Course Overview: An online course using broad themes to explore art, music, and theatre. Students will learn the visual and auditory skills needed to analyze historical backgrounds and to discuss various art forms.

Course Title: DRAWING AND PAINTING I
Prerequisite: Art Exploration
Grade Level: 9-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Fine Art

Course Overview: The student will draw portraits and landscapes, explore different media and techniques. Students are required to participate in an art show.

Course Title: DRAWING AND PAINTING II
Prerequisite: Art Exploration & Drawing and Painting I
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Fine Art

Course Overview: The student will complete observation and research-based projects, while continuing to explore a variety of media. Students are required to participate in an art show.
Course Title: **GRAPHIC DESIGN**
Prerequisite: Art Exploration & Draw and Painting I
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Fine Art

Course Overview: The student will explore printmaking, photography, computer design applications, and techniques. Students are required to participate in an art show.

Course Title: **CERAMICS AND SCULPTURE I**
Prerequisite: Art Exploration
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Fine Art

Course Overview: The student will explore a variety of techniques of sculpture in clay, wood, paper, and wire.

Course Title: **CERAMICS AND SCULPTURE II**
Prerequisite: Art Exploration & Ceramics and Sculpture I
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Fine Art

Course Overview: The student will explore and expand skills learned in Ceramics & Sculpture I. Projects will be made in clay and other sculptural media. Students are required to participate in an art show.

Course Title: **STUDIO ART**
Prerequisite: Drawing and Painting I & II, Ceramics and Sculpture I & II, and Graphic Design
Grade Level: 11-12
Course Length: 1 semester (course may be repeated for 1 full year and 1 full credit)
Unit(s) of Credit: ½ unit of Fine Art

Course Overview: The course is designed for students who have advanced skills in art. The student will explore advanced 2D or 3D projects and pursue areas of interest with guidance from the instructor. The student will begin a portfolio based on 2D or 3D art and will be required to participate in art shows. This course should be considered by the student who has strong art skills, is probably college bound in an art-related area, and is willing to put forth extra effort for his/her education.

Course Title: **AP STUDIO ART**
Prerequisite: Drawing and Painting I & II, Ceramics and Sculpture I & II, and Graphic Design
Grade Level: 12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art

Course Overview: The student explores advanced 2D or 3D projects and pursues areas of interest with guidance from the instructor. Projects will be assigned and directed by the instructor in preparation for portfolio, college and career. Students are required to enter shows and contests. This course should be considered by the student who has strong art skills, is probably college bound in an art-related area, and is
willing to put forth extra effort for his/her education. This course requires the student to assemble the AP Studio Art Portfolio to possibly earn hours for college credit.

**Course Title: ART APPRECIATION**

Course: Online  
Prerequisites: None  
Grade Level: 9 - 12  
Course Length: 1 semester  
Unit(s) of Credit: ½ unit of Fine Art  

Course Overview: Art Appreciation is a survey of the history of Western visual arts, with a primary focus on painting. Students begin with an introduction to the basic principles of painting and learn how to critique and compare works of art. Students then explore prehistoric and early Greek and Roman art before they move on to the Middle Ages. Emphasis is placed on the Renaissance and the principles and masters that emerged in Italy and northern Europe. Students end their art tour with the United States during the 20th century, a time of great innovation as abstract art took center stage. While Western art is the course’s primary focus, students will also be exposed to art of Asia and the Americas.  
Coverage of each artistic movement highlights historical context and introduces students to key artists that represent a variety of geographic locations. Throughout the course, students apply what they have learned about art critique, to analyze and evaluate both individual artists and individual works of art.  
Art Appreciation is based on national standards developed by the Consortium of National Arts Education Associations, as well as key state standards. It encompasses a variety of skills to enable students to critique, compare, and perhaps influence their own works of art.

**Course Title: PRINTMAKING**

Prerequisite: Art Exploration  
Grade Level: 10-12  
Course Length: 1 semester  
Unit(s) of Credit: ½ unit of Fine Art  

Course Overview: Printmaking is a studio course designed for students to produce works of art through the use of various techniques including monotype, relief, and intaglio.

**THEATER COURSES**

**ALL THEATRE COURSES are assessed a $20.00 Course fee for supplies**

**Course Title: THEATRE I**

Prerequisite: None  
Grade Level: 9-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Fine Art  

Course Overview: Students will be introduced to the fundamentals of the theatre. Students will explore theatre history, basic acting skills, technical design, etiquette, writing for the stage and dramatic literature.
Course Title: THEATRE II
Prerequisite: Theater I
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art

Course Overview: Students will study the art of acting through: Analysis and development of characters from literature, refinement of performance skills, and studying a variety of acting methods. Students will memorize monologues, scenes, and short plays. Involvement in school productions is encouraged and some out-of-class participation will be required.

Course Title: PIRATE PERFORMERS
Prerequisite: Audition Only
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art

Course Overview: This is an advanced performance class which will focus on higher level acting, directing, producing, and script writing skills. Students will lead productions, participate in One Act competitions, and design and direct their own SRO (standing room only) production. Involvement in high school musicals, plays, and other performances is expected.

Course Title: STAGECRAFT & SET DESIGN I
Prerequisite: Theatre I
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art

Course Overview: Students will explore, design, and construct various set pieces and technical aspects of theatre. Students will learn to build sets and learn about the production process. Some experience working with tools is preferred, but not required. Involvement in high school musicals, plays, and other performances are expected. There will be out-of-school participation in order to support student performances. This is not an acting class.

Course Title: STAGECRAFT & SET DESIGN II
Prerequisite: Stagecraft & Design I
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art

Course Overview: Students in Stagecraft and Set Design II will take on mentor and leadership roles in collaboration groups with SSDI students in the same course. They will begin the design process with the first show of the school year and lead their groups as mentors. SSDII students will gain a deeper understanding of stagecraft and design. Students will broaden their knowledge of set architecture applicable to a variety of stage productions, including lighting, and special effects work.
MUSIC COURSES

Course Title: MARCHING BANDS
Prerequisite: Middle school band or consent of the instructor
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art

Course Overview: A full complement of band offerings is available at Platte County High School. In the fall students can elect to participate in the Traditions marching band. This "open enrollment" band is open to all high school students who have successfully completed a middle school band program. The Traditions Band performs at all home football games and other community events. The Traditions Band also competes in one parade competition each fall. Students can also audition for the Pride Band. This "audition only" marching band learns a challenging competitive field show program and competes in area and regional field marching competitions. Grades for band in the fall semester are determined by the student's participation in the Traditions Band. The Pride Band activity does not impact a student's grade. Each marching band has a summer camp. The Traditions Band camp is one week and the Pride camp is two weeks in length.

Course Title: CONCERT BANDS
Once the marching season concludes, ALL students must audition for placement in one of three concert bands. The Wind Ensemble is the department's top ensemble, playing advanced high school and collegiate level material. The concert band is the mid-level band performing grade 3-4 literature. The campus band is the entry level high school band which focuses on reinforcing and further developing the fundamentals of instrumental music performance. Each group performs three concerts per year. The Wind Ensemble and Concert Band also participate in the MSHSAA large group evaluative festival each spring, as well as other area and regional band festivals. Grades are determined by participation in class rehearsals and attendance at all concerts and performances.

Course Title: JAZZ ENSEMBLE
Prerequisite: by Audition only
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Fine Art

Course Overview: Students study style, performance, and presentation of the jazz genre including swing, Big Band, Latin, ballad, rock, and funk styles. The group presents three concerts per year, culminating in the "Evening of Jazz" in May. The ensemble performs for school/community events and numerous jazz competitions/festivals as deemed appropriate by the director. This group is re-auditioned each year in May. Enrollment in the large band class is required, however non-band students who wish to audition must have permission from the Jazz band director.
Course Title: FLAG CORPS  
Prerequisite: Audition  
Grade Level: 9-12  
Course Length: 1 semester (fall)  
Unit(s) of Credit: ½ unit of Fine Art  
Course Overview: The group performs during the fall semester with the Pirate Pride marching band. Students learn routines and are involved in a camp three weeks prior to the start of the school year. Activities include halftime shows, parades, marching festivals, and community events.

Course Title: WOMEN’S CHOIR  
Prerequisite: None  
Grade Level: 9-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Fine Art  
Course Overview: The students will study a variety of music and prepare for concerts. They will study sight-reading, ear training, music theory, and develop vocal skills.  
Course Fee: $15.00

Course Title: MEN’S CHOIR  
Prerequisite: None  
Grade Level: 9-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Fine Art  
Course Overview: The students will study a variety of music and prepare for concerts. They will study sight-reading, ear training, music theory, and develop vocal skills.  
Course Fee: $15.00

Course Title: FRESHMAN HONOR CHOIR  
Prerequisite: Audition  
Grade Level: 9  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Fine Art  
Course Overview: The time will be divided between concert music, music reading skill development, ensemble production and development, several concerts, and contest participation. Students will develop vocal skills through the study of show choir and traditional choral literature.  
Course Fee: $15.00

Course Title: CONCERT CHOIR  
Prerequisite: Audition  
Grade Level: 10-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Fine Art
Course Overview: The time will be divided between concert music, music reading skill development, ensemble production and development, several concerts, and contest participation. Students will develop vocal skills and participate in the community, through concerts at civic organizations.

Course Fee: $15.00

**Course Title: SOUND EXPRESS**

Prerequisite: Audition  
Grade Level: 10-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Fine Art  
Course Overview: The time will be divided between concert music, music reading skill development, ensemble production and development, several concerts, and contest participation. Students will develop vocal skills and participate in the community, through concerts at civic organizations.

Course Fee: $30.00

**Course Title: MUSIC APPRECIATION**

Prerequisite: None  
Grade Level: 9-12  
Course Length: 1 semester  
Unit(s) of Credit: ½ unit of Fine Art  
Course Overview: Student will study music with economic, political, religious, and social motivation.

**Course Title: FOUNDATIONS OF MUSIC THEORY**

Prerequisite: Completion of one year high school level music performance class  
Grade Level: 11-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Fine Art  
Course Overview: This course will provide the basic tools for the students to be successful in their study of music theory. Fundamental knowledge of pitch and rhythm notation, meter signatures, key signatures, scales, intervals, and chords, will allow the student to understand how music works.

The goal of this FMT is to provide an academically rigorous course which prepares our students for the challenges and demands of freshman level music theory courses at the collegiate level.

**Course Title: MUSIC TECHNOLOGY**

Prerequisite: None  
Grade Level: 9-12  
Course Length: 1 year  
Unit(s) of Credit: 1 unit of Fine Art  
Course Overview: Students will learn the basics of sound equipment. Students will learn how to set up the existing equipment from the theater for various scenarios and how to operate the existing sound board. Students will be taught how to set volume levels from scratch, set groupings, add effects, save and load scenes, and control the board via iPad. Students will experience new opportunities for music creation, other than just typical performance classes. Trained student personnel will help run sound for various productions in the...
theater. New public communications, with the chance to create podcasts, and introduction to new career opportunities in the music industry are possible.

**ELECTIVE OFFERINGS**

**WORLD LANGUAGE**

*(Graduation Requirement: 0 Units / College Prep: 2 Units in the Same Language)*

- Please Note: Students enrolled in a World Language Class must supply their own earbuds or headphones for use in class.

**Course Title:** FRENCH I

**Prerequisite:** Recommended B or better in English  
**Grade Level:** 9-12  
**Course Length:** 1 year  
**Unit(s) of Credit:** 1 unit of Elective

**Course Overview:** This course acquaints students with the language and culture of the French speaking peoples of the world. It is a foundation course of basic French vocabulary, grammar, writing and oral communication skills.

**Course Title:** FRENCH II

**Prerequisite:** French I (C or better)  
**Grade Level:** 10-12  
**Course Length:** 1 year  
**Unit(s) of Credit:** 1 unit of Elective

**Course Overview:** This course continues the study of the French language and culture. It rounds out student backgrounds in grammar and continues to develop reading, writing, and communication skills in French.

**Course Title:** FRENCH III (FRE100: ELEMENTARY FRENCH & FRE101: ELEMENTARY FRENCH II)

**Prerequisite:** Teacher recommendation and a “B” or better in French II (A student who shows advanced skills may take French III without taking French II).  
**Grade Level:** 10-12  
**Course Length:** 1 year  
**Unit(s) of Credit:** 1 unit of Elective and 6 college hours

**Course Overview:** This is an advanced French vocabulary and grammar course conducted entirely in French. It will develop the student's ability to speak, to understand spoken French, to read, and to write.

**Please Note:** To earn college credit, at Missouri Western State University, a student must have to have a GPA of a 3.0 is required or visit with your counselor about options.
Course Title: FRENCH IV (FRE200: INTERMEDIATE FRENCH II & FRE201: INTERMEDIATE FRENCH II)
Prerequisite: Teacher recommendation and enrollment in either FRE 100: Elementary French / FRE101: Elementary French II or FRE200;FRE201: Intermediate French II or successful completion of FRE 100: Elementary French / FRE101: Elementary French II or FRE200;FRE201: Intermediate French II.
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Elective and 6 college hours
Course Overview: This course is designed for those students who wish to continue their study of the French language, culture and history. Students will continue to improve communicative skills.
Please Note: To earn college credit, at Missouri Western State University, a student must have to have a GPA of a 3.0 is required or visit with your counselor about options.

Course Title: SPANISH I
Prerequisite: Recommended B or better in English
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Elective
Course Overview: This course acquaints the beginning language student with the language and culture of the Hispanic speaking world, basic Spanish vocabulary, grammar, and written and oral communication skills.

Course Title: SPANISH II
Prerequisite: Spanish I (C or better)
Grade Level: 10-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Elective
Course Overview: This course continues the study of Spanish language and culture by rounding out student backgrounds in grammar and by continuing to develop reading, writing, and communication skills in Spanish.

Course Title: SPANISH III
Prerequisite: Spanish II and teacher recommendation
Grade Level: 11-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Elective
Course Overview: Spanish III develops the ability to understand the Hispanic world through literature and culture. Intermediate grammar and oral and written communication skills are emphasized. Students will begin development of international friendships and opportunities.
Course Title: SPANISH IV
Prerequisite: Spanish III
Grade Level: 12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Elective

Course Overview: This course is an in-depth study of language, art, and culture of the Hispanic world. Intermediate grammar is continued. Students continue development and research into international friendships and opportunities. Student participation through conversation is stressed. The student has the opportunity to earn college credit after taking the AP Spanish Language test that follows this course.

OTHER ELECTIVES

Course Title: ACT PREP
Prerequisite: Algebra I and Geometry
Grade Level: 11
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Elective

Course Overview: This course is designed to prepare the junior or senior student for the ACT college entrance exam. Test-taking strategies for reading, vocabulary, mathematics, science reasoning, and English grammar will better prepare them for the ACT test.

Course Title: PEER HELPING
Prerequisite: At least a 2.5 GPA and 95% attendance percentage with a signed A+ schools agreement on file
Grade Level: 11-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Elective

Course Overview: This course offers an opportunity for students to accumulate hours toward the tutoring requirement for A+ designation. Following an initial training, students will be paired up with younger students needing help in the classroom. The tutelage will occur under the guidance of the teacher in a district elementary, middle, or high school (lower level) classroom.

Course Title: MENTOR LEADERSHIP
Prerequisite: Application & screening process
Grade Level: 10-12
Course Length: 1 semester
Unit(s) of Credit: ½ unit of Elective

Course Overview: The Mentor Leadership class is only available to students who have gone through the application and screening process and have been selected as a Freshman Mentor. To be eligible to apply, students must have at least a 2.5 GPA and 90% attendance. The Mentors learn various activities in class and are assigned to a specific Freshman Seminar. Mentors conduct several lessons in seminar classes including: the importance of school involvement, academic success strategies, anti-bullying strategies, and assist freshmen to a successful start in high school. For more information, see your school counselor.
Course Title: DEBATE I
Prerequisite: None
Grade Level: 9-12
Course Length: 1 year
Unit(s) of Credit: 1 unit of Elective

Course Overview: This course is designed to teach the skills of analysis, research and reasoning. Students learn to logically develop and organize rational arguments on both sides of controversial subjects and defend those arguments thoughtfully and articulately from the attack of others. Course work includes the study of basic debate theory and topic analysis, the completion of written assignments such as simple case formats, briefs, persuasive speeches and participation in practice and competitive debates on a novice level. Students accumulate points for membership in the National Speech and Debate Association. Participation in four interscholastic debate and forensic tournaments during the year is required. This commitment includes rehearsal in addition to classroom hours and weekend travel with the Speech and Debate Team.

Course Title: INNOVATIONS
Prerequisite: Teacher Approval
Grade Level: 11-12
Course Length: 1 semester or 1 year
Unit(s) of Credit: ½ or 1 unit of Elective

Course Overview: This course is intended to provide highly motivated, self-disciplined students an opportunity to integrate knowledge and skills from previous coursework and experiential learning in and outside of school in an in-depth and focused way. Students enrolled in the course will be expected to analyze and synthesize past learning and relate it to an issue, problem or idea they select to thoroughly explore via inquiry and research to demonstrate a broad mastery of learning from across the curriculum and to practice seven essential skills for success in their college or career path and life. As a culmination of their work in the course, students will be expected to produce a major project/product with real world relevance, reflect and report on their learning process and progress along the way, and make a public presentation of their research. A Capstone Project will be required.

Course Title: LEADERSHIP AND DEVELOPMENT I
Prerequisite: None
Grade Level: 9-12
Course Length: 1 semester or 1 year
Unit(s) of Credit: ½ or 1 unit of Elective

Course Overview: See Leadership and Development II

Course Title: LEADERSHIP AND DEVELOPMENT II
Prerequisite: Leadership and Development I (may require teacher approval)
Grade Level: 10-12
Course Length: 1 semester or 1 year
Unit(s) of Credit: ½ or 1 unit of Elective

Course Overview: The mission of the Platte County High School Leadership classes are to focus on Athletic Leadership & Sports Management and to develop responsible business leaders and citizens with a focus on "sports management". This course serves as the Capstone for the Platte County "High school of Business & Technology" courses. The purpose of this course is to integrate all prior learning in business and technology
courses, related coursework, and workplace experiences. Students will have the opportunity to gain real-world experience in Athletic Leadership & Sports Management by operating the PCHS Athletics Website (plattecountypirates.com). Students will take on leadership roles, practice selling strategies by selling sponsorships, and learn about the business and sports management industries in addition to keeping the community informed about sports scores, PCHS athletic achievements, coaches, team rosters, and more.

At PCHS, we believe that:
Leadership can be developed
Leadership occurs inclusively among diverse members of groups.
Leaders are most effective when a core set of competencies is mastered.
Leadership involves teamwork AND building an independent identity.

Students will have the opportunity to increase their understanding and effectiveness of leadership skills and processes in the business industry with a focus in "sports management". We will focus on the importance of communication, character, personal growth, and building strong relationships. The focus of this course will be on you as the leader from an individual perspective. It will be an introduction to the principles and practices of positive interpersonal relationships for leadership development. The course will be based on each student's perception of their own life experiences that have helped them reach this level in their leadership development journey (Past), where they are now in that journey (Present), and their personal leadership goals (Future).

Course Title: SELF DEVELOPMENT

Course: Online
Prerequisites: None
Grade Level: 9 - 12
Course Length: 1 semester
  1st Semester - All About Me (Who am I? - Healthy Lifestyles, Life Stages, Career Choices)
  2nd Semester - Me and Society (Decision Making & Goal Setting, Social Awareness, Relationships, Career Choices)
Unit(s) of Credit: ½ unit of Fine Art

Course Description: Through a self-discovery process, you find answers to many important questions related to your self-development. You will look at all aspects of life – mental and physical health, social behaviors, personality and the life processes – to help you discover yourself. Learn to develop good communication skills and resolve conflicts in a positive manner. Emphasis is on the positive throughout the course as you increase your self-awareness, self-acceptance and improve interpersonal relations. This course deals to some extent with human reproduction and/or family life education.
NCAPS Medicine and Healthcare course fully immerses students in North Kansas City Hospital and Liberty Hospital providing unprecedented access to real world experiences in the dynamic field of medicine and healthcare. Alongside some of the region’s most experienced medical professionals, students will advance their understanding of human physiology, disease process, medical terminology, patient care, professionalism, ethics, and provide an exploration of many career opportunities in healthcare. In the classroom, students will expand upon principles of human physiology through in-depth case studies of body systems, develop fluency in basic medical language, formulate treatment plans for patients, practice physical assessment skills, and perform patient care and life-saving procedures within a high-fidelity simulation lab. These activities are designed to enhance student analysis and problem solving skills. Students will receive certification in CPR and AED and complete a CAPStone project for the semester, connecting to mentors in their area of interest to develop a project that is real, relevant, and of service to the community or business partner.

NCAPS Technology Solutions strand is ideal for students who are interested in developing the professional and technical skills required to forge forward in exploring all areas of technology. Immerse yourself in a professional environment while you tackle and solve real-world problems using a vast array of technology skills. Students interested in technology will perform real world projects for clients utilizing the expertise of diverse guest instructors, mentors and business partners. Strong emphasis is placed on software engineering skills such as programming methodology and problem solving using multiple languages, algorithm design and development,
data abstraction and well documented programming, testing and debugging. Students interested in design will create a wide array of digital assets in a profession-based learning environment, which provides opportunities to collaborate with mentors and business clients.

**Northland Career Center**

Northland Career Center offers both morning and afternoon sessions. Students need to check with their counselor to determine the number of credits needed to graduate and additional courses recommended. Student selection for Northland Career Center is based on successful completion of prerequisites, good school attendance, grade point average, standardized test scores and an interest in career and technical education. Students will earn 3 Units of Practical Arts Credit and ½ credit in both Math and English. Upon successful completion of a one or two-year course, the student will receive a certificate.

**Apprenticeship**

After meeting eligibility requirements students may receive advanced placement on the beginning wage scale upon admission to one of several apprenticeship programs.

**College Credit**

Students may earn college credit from the following 2 and 4 year post-secondary institutions: Johnson County Community College, Metropolitan Community Colleges, Missouri Western State University, Ranken Technical College, and State Technical College of Missouri. The actual credit varies from program to program. See your counselor for more information.

**Course Title:** AGRICULTURAL SCIENCES– (ANIMAL SYSTEMS) (Class rotates AM/PM sessions each year). For example, students enrolled as juniors in the AM will stay in the AM class the following year to take Plant Systems. 2018-2019 school year class is offered in the AM

**Prerequisites:** Junior or senior; Algebra I and Basic Science

**Unit(s) of Credit:** 3 units of Practical Arts, ½ unit of Math, ½ unit of English

**Text Reading Level:** 10th grade +

**Course Overview:** This course is designed to expose students to agriculture, animal systems, and related career options. Students participating in the Animal Systems course will have experiences in various animal science concepts with exciting hands-on activities, projects, and problems. Students’ experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. For example, students will acquire skills in meeting the nutritional needs of animals while developing balanced, economical rations. Throughout the course, students will consider the perceptions and preferences of individuals within local, regional, and world markets. Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, and industry personnel, face in their respective careers. In addition, students will understand specific connections between animal science lessons and Supervised Agricultural Experience and FFA components that are important for the development of an informed agricultural education student. Students will investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community. This course of study includes: · Background and Social Issues of Animal Science · Anatomy and Physiology · Nutrition · Reproduction · Genetics · Animal Health · Animal Selection

**Course Title:** AGRICULTURAL SCIENCES II– PLANT SYSTEMS (Class rotates between AM/PM session each year). 2018-2019 school year class is offered in the PM.

**Prerequisites:** Junior or senior; Algebra I and Basic Science
Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English
Text Reading Level: 10th grade +
Course Description: This course provides a foundation of plant systems knowledge and skills. Students will experience various plant systems concepts through exciting “hands-on” activities, projects, and problems. Students will experience the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agronomic, forestry, and horticultural industries. Students will discover the value of plant production and its impact on the individual, the local, and the global economy. Students will work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists, face in their respective careers. Students will understand specific connections between the course’s lesson and Supervised Agricultural Experience and FFA components of agricultural education programs. Students will improve investigative, experimental and communication skills. This course is intended to build a foundation on the Introduction to Agriculture, Food and Natural Resources course. The course is structured to enable all students to have a variety of experiences that will provide an overview of the plant industries. This course includes the following units of study: World of Opportunity · Mineral Soils · Soilless Systems · Anatomy and Physiology · Taxonomy · The Growing Environment · Plant Reproduction · Surviving a Harsh Environment · Crop Production and Marketing

Students Attending for 2 years: Students must have at least a “C” or better, meet the attendance requirements and meets the citizenship requirements at NCC and home school to return for a second year. Students must also have a recommendation from their instructor.
Credit Type Earned: Student may earn one unit of science or math, one unit of technology or a practical art, one unit of elective.
College Credit Available: 3 hours of dual credit through State Fair Community College.

Agricultural Education IRC:
MO Agricultural Skill Knowledge Assessment (MOASK)
Students may be assessed from a number of IRC’s:

Graduation: Students may take an IRC their junior year and earn a certificate. First year seniors that pass an IRC or students attending Agricultural Education for 2 years and meet the minimum academic and attendance requirements may participate in NCC’s graduation.

Course Title: AVIATION TECHNOLOGY I
Prerequisites: Junior or Senior: Mechanical Aptitude
Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English
Text Reading Level: 12th grade

Course Overview: Instruction will include basic concepts in aircraft blueprints/drawings, avionics, aircraft structure/composition, aircraft sheet metal and welding, aircraft systems and components, safety and human factors.

Course Title: AVIATION TECHNOLOGY II
Prerequisites: Successful completion of Aviation Technology I with a grade level of no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from the instructor.
Unit(s) of Credit: 1 unit of science or mathematics, 1 unit of technology, 1 unit of elective
Course Title: CONSTRUCTION TECHNOLOGY I
Prerequisites: Junior or senior; ability to read a tape measure, add and subtract fractions and calculate dimensions in feet and inches; work at various heights and lift 25 pounds.
Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English
Text Reading Level: 11th grade +
Course Overview: This program is competency based and teaches skills and theory related to the building trades industry. Areas of study include framing, leveling, blueprint reading, building plans, specifications and codes, footings and foundations, and sheetrock hanging. Each student must pass a safety test to work around hand and power tools. The student is required to provide their own boots and clothing for working in hot and cold weather.

Course Title: CONSTRUCTION TECHNOLOGY II
Prerequisites: Senior; Successful completion of Construction Technology I with a grade level of no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from the instructor.
Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English
Text Reading Level: 11th grade +
Optional:
- 12 hours of articulated college credit is available through MWSU after completing two (2) years at NCC.
- 13 hours of college credit by exam is available through RTC after completing two (2) years at NCC.
- Advanced wage scale placement is available in the Construction Apprenticeship Program.
Course Overview: The program provides advanced instruction on the construction of a building which may include areas mentioned in Construction Technology I, as well as, rough framing, grading and measuring lumber, safety, and scaffolding work. Some commercial construction will be introduced including the use of metal studs and the differences in building codes and techniques. The completion of Construction Technology II will provide opportunities for employment in residential or commercial construction.

Construction Technology IRC: National Center for Construction Education and Research (NCCER)
Students may be assessed in 2 areas: Academic Carpenter Level I (must have) and OSHA 10 (Additional)
Graduation: First year seniors that pass the IRC or students attending Construction Technology for 2 years and meeting the minimum academic and attendance requirements may participate in NCC’s graduation.

Course Title: CULINARY ARTS I
Prerequisites: Junior or Senior; be able to lift 50 pounds from the floor to a table; 9th grade math level; access to the internet from home.
Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English
Text Reading Level: 12th grade
Optional: Students may earn their ServSafe Protection Certificate through the National Restaurant Association.

Course Description: The focus of study will be food service terminology, equipment identification and use, knife skills, basic food preparation, sanitation and safety. These skills and knowledge will lead to preparation methods for stocks, soups and sauces. Students will receive hands-on experience through assuming the role of steward (pot/dishwasher) and cooks’ helper in the pre-preparation of meals. An understanding of multiplication, division, addition and subtraction of fractions and decimals, percent, and volume and weight measurement is essential.

Course Title: CULINARY ARTS II
Prerequisites: Completion of Culinary Arts I with a grade level of no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from the instructor.
Unit(s) of Credit: 1 unit of science or math, 2 units of elective
Text Reading Level: 12th grade
Optional:
- 7 hours of articulated credit is available through JCCC after completing 2 years and earning the Certified Junior Culinarian Certification.
- 3 hours of articulated credit is available through The CIA after completing 2 years.
- Students may earn their ServSafe Protection Certificate through the National Restaurant Association.

Course Overview: Students will continue to gain hands-on experience with the preparation of daily meals consumed by students, staff and guests. Emphasis will be on plate presentations, preparation and timing. Breakfast cookery, vegetables, starches and meats will be the focus of class work. Students will complete a nationally recognized sanitation exam. Successful completion of this course will prepare students for entry-level positions in full-service restaurants, hotels and continued education in a Culinary Apprenticeship program at the post-secondary level.

Culinary Arts IRC: American Culinary Federation Students may earn the Certified Junior Culinarian Certification.
Graduation: First year seniors that pass the IRC or students attending Culinary Arts for 2 years and meet the minimum academic and attendance requirements may participate in NCC’s graduation.

Course Title: DIESEL TECHNOLOGY I
Prerequisites: Junior or Senior; mechanical aptitude; all students must shadow before applications will be reviewed.
Unit(s) of Credit/Year: 3 units of Practical Arts, ½ unit of Math, ½ unit of English
Embedded English Credit/Year: Half (.5) of a senior English credit
Text Reading Level: 12th grade
Course Overview: Instruction will include a basic concept of diesel engine theory, general shop safety practices, basic hand tools, common fasteners, shop equipment, precision measuring devices, and identifying, assembling and reassembling component parts. Introduction to various fuel systems, cooling systems, lubricating systems, failure analysis, preventative maintenance and electrical systems are studied and related activities performed.

Course Title: DIESEL TECHNOLOGY II
Prerequisites: Completion of Diesel Technology I with a grade level of no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from the instructor.
Unit(s) of Credit/Year: Three (3) units (1 unit of Science or Mathematics, 1 unit of Technology, 1 unit of
Elective).
Embedded English Credit/Year: Half (.5) of a senior English credit
Text Reading Level: 12th grade
Optional: Eighteen (18) hours of college credit is available through State Technical College of Missouri after successful completion of two years of Diesel Technology.

Course Overview: Instruction includes a study of troubleshooting and tune-up procedures. Powertrains, air and hydraulic brakes, basic hydraulics, steering and suspension systems are included in this course. An introduction to welding and automotive air conditioning basic theory helps round out the students’ knowledge.

**Course Title: HEALTH SCIENCES I**

Prerequisites: Junior or Senior (This is a one or two-year program); must have a Social Security number and pass state criminal background check; must not be on the state employment disqualification list; required to obtain a TB test on their own and provide documentation of results; hepatitis vaccination is encouraged; purchase uniform, name tag and wear appropriate clothing for clinical sites; knowledge in basic science and positive people skills encouraged. Every student spends two (2) weeks at a nursing home chosen by the instructor. At the end of the first semester there is a written and performance test. If a student does not achieve a 60% on the performance test, he/she will not be recommended to return second semester. Due to the nature of off-site work; behaviors, academics (students must have a “C” average or be recommended by the instructor to return second semester), and attendance policies are strictly followed. Second semester, students spend ten (10) weeks in clinic sites and at this point must provide their own transportation. Students desiring to earn their Certified Nursing Assistant Certification (CNA) will work/volunteer at a long-term care facility. Students that do not want to earn their CNA will need to find work or volunteer experience at a health care facility.

Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English

Text Reading Level: 10th grade +

Course Overview: Health Sciences I teaches students basic health care, CPR, anatomy, common disorders and introduction to medical terminology. Students have the opportunity to take the Certified Nursing Assistant state test. The students will also explore a variety of careers in the health field including radiology, physical therapy, veterinary, dietary, respiratory therapy, medical records, dentistry, etc., to enable students to make an informed decision about a career in health care.

**Course Title: HEALTH SCIENCES II (ONLY OFFERED DURING THE PM SESSION)**

Prerequisites: Students must have a Health Science I overall GPA of an 80%, average employability grade of 85% or greater, and must have earned their CNA Certification during the 1st year. Students must also meet the attendance requirements by missing 10 days or less (waived days are included) and cannot have an Out-of-School Suspension or more than 2 discipline infractions and/or 3 days of ISS. Students must acquire an internship or work experience in a long-term health care facility or health care facility of their choice by the 3rd day of class or they will return to their home school. Students that receive pay for work must provide twenty (20) hours of documentation. Students that volunteer must provide twelve (12) hours of documentation. Students must provide their own transportation while on internship or work experience.

Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English

Text Reading Level: 10th grade +

Course Overview: Students will report to NCC one day a week for structured learning activities that include career development and planning, discussion, reflection, and research and writing. Students will begin their internship/work experience starting the third week of school and must work during the week between the
hours of 11:00am and 11:00pm. Students will be responsible for documenting their clinical internship/work experience hours for their instructor.

**Health Science IRC:** Students may earn the Certified Nursing Assistant certification during their junior or senior year.
- Certified Nursing Assistant (CNA) Through the Missouri Department of Health & Human Services

**Graduation:** Students that have met the academic and attendance requirements and earn their CNA their junior or senior year may participate in NCC’s graduation.

**Course Title:** **HEATING/Cooling & Climate Control I (HCCC I)**

**Prerequisites:** Junior or Senior; recommended algebra, physics, drafting, physical science and basic electricity.

**Unit(s) of Credit:** 3 units of Practical Arts, ½ unit of Math, ½ unit of English

**Text Reading Level:** College Level

**Course Overview:** This program provides competency based instruction and teaches skills and theory relating to air conditioning, refrigeration and heating. Topics include occupational safety, hand and special tools, tubing applications, soldering, welding and brazing, basic mechanical refrigeration, EPA regulations, refrigerants, recovery, recycling and reclamation, evacuating, pressurizing, leak testing and charging. Fundamentals of electricity, electrical power, circuits, symbols and diagrams, transformers and relays, thermostats, electric motors, capacitors, troubleshooting ACR system electrical circuits, and ACR wiring diagrams will also be covered. Operation and service of electrical and mechanical components will be applied to commercial and domestic systems. The first part of a two-part program, students will develop entry-level skills for employment in a variety of related fields.

**Course Title:** **HEATING/Cooling & Climate Control II (HCCC II)**

**Prerequisites:** Successful completion of Heating, Ventilation, Air Conditioning and Refrigeration I with a grade level of no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements and recommendation from the instructor.

**Unit(s) of Credit:** 3 units of Practical Arts, ½ unit of Math, ½ unit of English

**Text Reading Level:** College Level

**Optional:**
- 14 hours of college credit by exam is available through MCC after completing two (2) years at NCC.
- 12 hours of articulated college credit is available through MWSU after completing two (2) years at NCC.
- 26 hours of college credit by exam is available through RTC after completing two (2) years.
- Advanced wage scale placement is also available in the Pipe Fitter Apprenticeship Program.

**Course Overview:** Competency based skills and theory relating to air conditioning, refrigeration and heating will be presented. The ability to diagnose mechanical and electrical failure will be developed, along with extensive use of equipment and troubleshooting of domestic and commercial systems. Domestic refrigerator, freezer and window air conditioner service, including mechanical components and functions, electrical components and control devices, domestic ice maker and window air conditioner service will be covered. Psychrometrics for residential and commercial HVACR, standard and high efficiency gas fired furnaces, electrical heating and cooling systems, heat pumps, customer relations and service operations will be presented. Upon completion the student will have developed skills and competencies for entry level employment in related fields including commercial and residential service, as well as, continued education in the industry field.

**Heating, Ventilation, Air Conditioning and Refrigeration IRC:** H.E.A.T.
Students may earn their Heating, Electrical, Air Conditioning, Technology certification.
Students may also earn the EPA (Environmental Protection Agency) credential.

**Graduation:** First year seniors and students attending HVAC for 2 years meeting the academic and attendance requirements and passing the H.E.A.T. exam may participate in NCC’s graduation.
Course Title: INDUSTRIAL WELDING I

Prerequisites: Junior; ninth grade math level; previous drafting classes desirable
Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English
Text Reading Level: 12th grade
Optional:
- 6 hours of dual credit with the possibility of 3 to 6 additional hours from MCC.
- American Welding Society Level 1 Sense Training Certification: GMAW and SMAW processes.

Course Overview: The program covers basic competencies and skills in flame cutting, fusion welding, oxygen-acetylene and shielded metal arc welding on carbon steel. Safety, blueprint reading and terminology are also included to help students gain a foundation for entry-level employment.

Course Title: INDUSTRIAL WELDING II

Prerequisites: Senior: Successful completion of Industrial Welding I with a grade level of no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from the instructor.
Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English
Text Reading Level: 12th grade
Optional:
- American Welding Society Level 1 Sense Training Certification: GMAW, SMAW, FCAW, and GTAW processes.
- 1 hour of college credit by exam is available through MCC after completing two (2) years.
- Up to 18 hours of Dual Credit is available through MCC - Some may be taken as a junior.
- 12 hours of articulated college credit is available through MWSU after completing two (2) years at NCC.
- 15 hours of college credit by exam is available through RTC after completing two (2) years.
- Advanced wage scale placement is also available in the Ironworkers Apprenticeship.

Course Overview: Competencies and skills in fabrication techniques, advanced shielded metal arc welding, plasma arc cutting and gas tungsten arc welding on carbon steel, aluminum, and stainless steel are covered. Further study of blueprint reading, welding symbols and basic metallurgy will prepare students for the AWS (American Welding Society) certification test which is administered annually.

Graduation: First year seniors must meet academic and attendance requirements as well as the requirements listed below to walk in NCC’s graduation. Students attending Industrial Welding for 2 years, meeting the academic and attendance requirements and passing the NOCTI Welding IRC with one weld inspected and tested by an AWS-Certified Weld inspector who is not currently their instructor may participate in NCC’s graduation.

Course Title: INDUSTRIAL WELDING ONE-YEAR CERTIFICATE

Prerequisites: Senior only; same prerequisites as Industrial Welding I.
Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English
Text Reading Level: 12th grade
Optional:
- 6 hours of dual credit with the possibility of 3 to 6 additional hours through MCC.
- American Welding Society Level 1 SENSE Training Certification: GMAW and SMAW processes. FCAW and GTAW if time allows.
Course Description: Emphasis will be placed on specific welds, welding symbols, and basic metallurgy related to the needs of the industry at that time. Specific areas of study will be determined between the student and the instructor at the beginning of the school year. First year seniors may earn a one-year-certificate if they meet the following qualifications:

- Complete General Safety based testing i.e., all auxiliary equipment e.g., Iron Worker, Portable Grinder etc., Industrial Welding General and Building Safety Tests, AWS Level I SENSE Module #2 Safety and Health of Welders Test
- Complete performance based demonstration of the safe operation of auxiliary equipment e.g., Iron Worker, Portable Grinder etc.
- Complete performance based testing for OAW i.e., bead on plate with & without filler metal, groove and fillet test plates
- Complete performance based testing for Thermal Cutting Processes i.e., OAW & PAC
- Pass Thermal Cutting academic testing i.e., AWS Level I SENSE Module #8 Thermal Cutting Processes
- Complete academic work and performance based demonstration for the safe operation of basic welding processes i.e., GMAW, FCAW, SMAW, GTAW
- Complete performance based testing for at least 1 selected welding process i.e., GMAW, FCAW, SMAW, GTAW
- Pass selected welding process(es) related academic testing e.g., AWS Level I SENSE Module #4 SMAW, Module #5 GMAW etc.

Course Title: IT PROFESSIONALS I

Prerequisites: Junior or Senior (This is a one or two-year program); keyboarding or equivalent; "minimum" academic levels in 10th grade writing and math; strong aptitude in computer applications, communications and comprehension.

Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English

Text Reading Level: 12th grade

Optional: 9 to 12 hours of college dual credit is available through MCC.

Course Overview: First year students will concentrate on Hardware, Software, and Networking. This includes computer repair and troubleshooting PC's and operating systems. Students will work towards earning their IT Fundamentals Certification and Comptia A+ Certification. Students will also cover networking and learn basic Cisco router and switch configurations and protocols. Students have access to work on their skills 24/7 through the "TestOut" website. Due to the rigorous pace and content, it is recommended that students have a strong interest and aptitude in the computer industry, have good study habits, and be able to work independently.

Course Title: IT PROFESSIONALS II

Prerequisites: Successful completion of IT Professionals I with a grade level of no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from the instructor.

Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English

Text Reading Level: 12th grade

Optional:
- 6 hours of dual credit is available through MCC.
- 3 hours of articulated college credit is available through MCC after completing two (2) years at NCC.
- Students may also earn up to 19 hours through credit by exam at MCC.
- 12 hours of college credit is available through MWSU after completing two (2) years at NCC.
- 6 hours of articulated college credit may be earned through STCM after completing two (2) years.
• 29 hours of college credit by exam is available through RTC after completing two (2) years of IT Professionals.

Course Overview: Second year students will learn advanced networking with servers, routing, and switching configurations for Local Area Networks and Wide Area Networks. These students are working toward their certification in Comptia Network+. Students that have achieved their Network+ Certification will have the option of taking the Security+, Server+, or the CCNA Certification for Cisco. Students have access to work on their skills 24/7 through the "TestOut" website.

**IT Professionals IRC:** IT Fundamentals, A+, and Network+ through CompTIA. Students may earn a certification in IT Fundamentals, A+, and/or Network+.

**IT Professionals TSA:** TestOut. TestOut PC Pro

**Graduation:** First year seniors must pass one IRC exam to participate in NCC’s graduation. Students attending IT Professionals for 2 years, meeting the academic and attendance requirements must pass the TestOut PC Pro to participate in NCC’s graduation.

**Course Title:** LAW ENFORCEMENT/CRIME SCENE INVESTIGATION I

Prerequisites: Junior or Senior with a good high school disciplinary record and an interest in science and a general understanding of algebra/geometry concepts. Student must have an interest in law and the social rule.

Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English

Text Reading Level: 10th grade +

Course Overview: LE/CSI provides an introduction to the criminal justice system with emphasis on crime scene investigation. Topics covered are crime scene investigation and traffic crash reconstruction, professional ethics and leadership, US Constitutional Law and Missouri Criminal Code. The class is designed for those interested in pursuing careers in law, public safety, corrections, security, and crime scene investigation.

**Course Title:** LAW ENFORCEMENT/CRIME SCENE INVESTIGATION II

Prerequisites: Senior: Successful completion of LE/CSI I with a grade level no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from instructor.

Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English

Text Reading Level: 10th grade +

Optional: 5 hours of college articulated credit is available through MCC after competing two (2) years of LE/CSI.

Course Overview: LE/CSI II provides second year students with a more in depth understanding of the criminal justice system and how it is applied to the everyday work force with an emphasis on crime scene investigation. Students will learn US Constitutional Law and its applications to the criminal justice system as a social rule.

**Law Enforcement/Crime Scene Investigation IRC:** There is no IRC offered at this time.

**Law Enforcement/Crime Scene Investigation TSA:** Precision Law Enforcement Exam

**Graduation:** First year seniors must pass the TSA to participate in NCC’s graduation. Students attending CSI for two years, meeting the academic and attendance requirements may participate in NCC’s graduation.
Course Title: PRODUCTION TECHNOLOGIES I
Prerequisites: Junior or senior, ninth grade math level, mechanical aptitude
Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English
Text Reading Level: 12th grade
Optional: 10 hours of college dual credit is available through MCC – Please check for availability.

Course Description: This two-year program allows students to earn dual credit towards an Associate's Degree and/or certification in a variety of areas related to the manufacturing industry (For example; CAD, CNC, HVAC, Industrial Electrical, Industrial Maintenance, Major Appliance Technology, Millwright, Welding and more). Cutting edge technology has changed the way products are manufactured in the United States and abroad. These changes have increased the need for specialized careers in the development and maintenance of the computers/machines that produce the goods we use on a daily basis. This program is located at the Metropolitan Community College Business & Technology Center and utilizes variety of lab space and equipment to assist students in choosing the manufacturing career that is right for them.

Course Title: PRODUCTION TECHNOLOGIES II
Prerequisites: Senior: Successful completion of Production Technologies I with a grade level of no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from the instructor; same prerequisite as Production Technology I.
Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English
Text Reading Level: 12th Grade
Optional: 12 hours of college dual credit is available through MCC – Please check for availability.

Course Description: Second year curriculum will Continue to focus on cutting edge technology in the manufacturing industry. Students will go more in-depth into the processes and controls of CNC equipment, electrical concepts, thermodynamics, robotics, and lean manufacturing to name a few. Program will continue to be located at the Business & Technology Center.

Course Title: TEACHING PROFESSIONS I
Prerequisites: Junior or Senior: must have a Social Security number; background check through Family Care Registry. In order to work off-site, it is highly recommended that students have their own transportation. Due to the nature of off-site work; behaviors, academics (students must have a “C” average or recommendation from the instructor to return at second semester), and attendance policies are strictly followed.
Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English
Text Reading Level: 12th grade
Optional: 4 hours of Dual Credit is available through MWSU.

Course Description: This course offers on-sight training and the opportunity for off-sight training and observation of students at licensed child care centers, preschools, and local public schools through the 8th grade. First year students will be placed at an observation site close to NCC. Students can earn 169 hours of observation time. Activities will include lesson planning and implementation coursework includes: child development, child health, safety, learning environments, approaches to learning, CPR & First Aid training, employability skills, Instructional practices, assessments, and behavior management.
Course Title: TEACHING PROFESSIONS II
Prerequisites: Senior; Successful completion of Teaching Professions I with a grade level of no lower than a C, good disciplinary record at NCC and home school, meet attendance requirements, and recommendation from the instructor; same prerequisite as Teaching Professions I.
Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English
Text Reading Level: 12th grade
Optional: 5 hours of Dual Credit is available through MWSU.

Course Overview: Second year students continue to gain a greater depth of child development, child health, safety and learning environments, approaches to learning, employability skills, instructional practices, assessments, and behavior management. Students learn to teach, utilize lesson plans, develop curriculum, and classroom management skills. Students must complete their off-sight training at preschools and/or local public schools through the 8th grade. 312 hours of observation time may be earned. Completion of the two (2) year program offers students the opportunity to earn their Child Development Associate Credential or their Youth Development Credential, which requires 480 observation hours. The Child Development Certification allows students to be lead teachers at the preschool level. Only students meeting competency, behavior, and attendance requirements may participate in a volunteer or paid internship.

Teaching Professions IRC: Students may earn either certificate/credential
- Youth Development Certificate or Child Development Associate Credential.

Teaching Professions TSA: NOCTI: Early Childhood Care & Education.

Graduation: First year seniors must pass the TSA and second year students must meet the academic and attendance requirements as well as the requirements listed below.

Course Title: TEACHING PROFESSIONS ONE-YEAR-CERTIFICATE
Prerequisites: Senior only; same prerequisites as Teaching Professionals I.
Unit(s) of Credit: 3 units of Practical Arts, ½ unit of Math, ½ unit of English
Text Reading Level: 12th Grade

Course Overview: This course offers on-sight training and the opportunity for off-sight training and observation of students at licensed child care centers, preschools, and local public schools through the 8th grade First year seniors may earn a one-year-certificate if they meet the following qualifications:
- TP Professional Resource Collection portfolio assignments are completed for work-based experience grade level
- Work-based experience hours completed with time sheets completed and verified by cooperating teacher
- No less than 480 work-based experience hours documented
- Recommendation from cooperating teacher on file with TP instructor
- Passing score on the Technical Skill Assessment
- Acceptable site observation by third party (agency director-director from partner agency, Principal from elementary or middle school, early childhood teacher not assigned to student's observation classroom, etc.)
**ADDITIONAL LEARNING OPPORTUNITIES**

**Assessments**
Standardized tests are designed to give a common measure of students' performance. They help compare an individual's performance with the performance of a group of students from a given class, school, or school system. Since large numbers of students throughout the country take the same test, "standards" can be developed to show whether school programs are succeeding and how students are performing. Standardized achievement tests measure how much students have already learned about school subjects such as reading, math, language skills, spelling, or science. On the other hand, standardized aptitude tests measure your students' ability to learn in school. They measure verbal ability, mechanical ability, creativity, clerical ability, or abstract reasoning. Additional Community College placement test are available.

**Civics Assessment**
This is a State Mandated Assessment for Graduation that will be given during American Government beginning with the 2020-2021 cohort.

**CPR**
This training is required by State for Graduation. Beginning 2018-2019, all freshmen will take in take this training in health class.

**End of Course Exams**
There are four mandated End of Course Exams for High School Graduation. They are - Algebra (Algebra I, Algebra II, Honors Algebra II), English II, American Government, Biology.

**PSAT/NMSQT (Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test)**
The PSAT/NMSQT measures verbal and mathematics reasoning skills important for academic success in college. It serves three purposes: gives the student practice for the SAT I; is the first step in qualifying for scholarships sponsored by the National Merit Scholarship Corporation and other scholarship programs; gives the student the opportunity to participate in the Student Search Service. This test is taken in the junior year for NMSQT qualification.

**ASVAB (The Armed Services Vocational Aptitude Battery)**
The ASVAB measures students' strengths and potential for future success. The ASVAB also provides career information for various civilian and military occupations and is an indicator for success in future endeavors including college, vocational school, or a military career.

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

**ACT (American College Testing Program)**
The ACT is a battery of five examinations in English, math, reading, science reasoning, and writing (optional), each of which yield separate scores measuring developed abilities. The test is required by many colleges as part of the application process for admission.

**AP (Advanced Placement) Testing**
Students enrolled in AP courses may complete the AP examination for which the course has prepared them. Information is available from the teachers of the AP courses. Each college or university determines which of these examination scores it will accept. It is important for students to have accurate information from the school they plan to attend regarding the acceptance of AP credit.
### Fee Schedule for 2019-2020 School Year

<table>
<thead>
<tr>
<th>Fee</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Class Dues (All Students Pay)</strong></td>
<td></td>
</tr>
<tr>
<td>Class of 2019</td>
<td>$15.00</td>
</tr>
<tr>
<td>Class of 2020</td>
<td>$15.00</td>
</tr>
<tr>
<td>Class of 2021</td>
<td>$15.00</td>
</tr>
<tr>
<td>Class of 2022</td>
<td>$15.00</td>
</tr>
<tr>
<td><strong>AP Testing Fees (applicable only if taking AP Test)</strong></td>
<td>$92.00</td>
</tr>
<tr>
<td><strong>Art Classes</strong></td>
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<tr>
<td><strong>Art Club</strong></td>
<td>$10.00</td>
</tr>
<tr>
<td><strong>Career Development And Entrepreneurship</strong></td>
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</tr>
<tr>
<td><strong>Choir</strong></td>
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</tr>
<tr>
<td>Concert Choir</td>
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<tr>
<td>Freshman Honor Choir</td>
<td>$15.00</td>
</tr>
<tr>
<td>Men’s Choir</td>
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<tr>
<td>Sound Express</td>
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<tr>
<td>Women’s Choir</td>
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<tr>
<td><strong>Drama Club</strong></td>
<td>$10.00</td>
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<td><strong>Dual Credit Courses (fees vary, per credit hour; fee paid directly to UMKC or MWSU)</strong></td>
<td>$90.00 - 150.00</td>
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<tr>
<td>FBLA</td>
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<tr>
<td>FCCLA</td>
<td>$25.00</td>
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<tr>
<td>Foods &amp; Nutrition</td>
<td>$35.00</td>
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<tr>
<td>Foods - International</td>
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<tr>
<td><strong>Government &amp; AP Gov. (Field Trip)</strong></td>
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</tr>
<tr>
<td>White House Decision Center Book</td>
<td>$12.00</td>
</tr>
<tr>
<td>Hospitality and Tourism Management Program I (FCCLA Membership included)</td>
<td>$30.00</td>
</tr>
<tr>
<td>Hospitality and Tourism Management Program III (FCCLA Membership included)</td>
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</tr>
<tr>
<td><strong>Marketing</strong></td>
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</tr>
<tr>
<td>Introduction to Business</td>
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<tr>
<td>Marketing</td>
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<tr>
<td>Advanced Marketing</td>
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<tr>
<td>Marketing Research</td>
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<tr>
<td>Retailing</td>
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<tr>
<td>National Honors Society (NHS)</td>
<td>$20.00</td>
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</tbody>
</table>

### Activity Passes for 2019-2020

<table>
<thead>
<tr>
<th>Pass</th>
<th>Amount**</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PCHS Students</strong></td>
<td>Free with ID*</td>
</tr>
<tr>
<td>K-8 Student at PCR-3</td>
<td>$50.00</td>
</tr>
<tr>
<td>Adult</td>
<td>$75.00</td>
</tr>
<tr>
<td>Family (6) ($30.00 for additional member)</td>
<td>$175.00</td>
</tr>
</tbody>
</table>

* Students must present their ID to any event accepting passes to gain free admittance. There is No REATTMITTANCE without payment to events.

** Fees are subject to change.