Career Planning & Education Guide 2020-2021

North Kansas City High School  
Oak Park High School

Staley High School  
Winnetonka High School

For the most updated version view: http://bit.ly/NKC_CPEG
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North Kansas City Schools
Message from the Superintendent

January 7, 2020

Dear Students and Families,

Thank you for taking time to carefully review the information in this guide. It will help you design an Individual Career and Academic Plan (ICAP) which, in turn, will serve as a foundation for your future career and college options.

We strive for every student to succeed in school, but we also prepare students for success after high school. We do this by setting high expectations and offering numerous avenues for students to achieve their unique potential. Our district is celebrated for outstanding teachers, a challenging curriculum, advanced technology, K-12 career programs and A+ high schools. We are known for distinguished diploma options including Gold Medallion Honors Diploma, the AP Capstone Diploma, and the International Baccalaureate Diploma.

To get the most from the educational opportunities we offer, you will want to fully understand the diploma options. An overview is included in this guide, and additional information is on the district website.

Let there be no missed opportunities.

Make your educational experiences extraordinary by using the 2020-21 Career Planning & Education Guide to explore the world of possibilities that exist for you. North Kansas City Schools will partner with you to create an Individual Career and Academic Plan (ICAP) to help make your goals a reality. We look forward to the journey ahead.

Sincerely,

[Signature]

Dan Clemens, Ed.D.
Superintendent
High School Individual Career and Academic Plan (ICAP)

Programs of Study
Programs of Study is a joint effort of high schools and colleges to coordinate classroom instruction, student guidance, career and technical student organizations, career development and community participation for a specific Career Cluster.

These plans of study should serve as a guide, along with other career planning materials, as you continue your Career Path. Courses listed within these plans are only recommended coursework and should be individualized to meet each learner’s educational and career goals. All Plans should meet high school graduation requirements as well as college entrance requirements.

Diploma Options
North Kansas City Schools currently offers five diploma options for graduates, all requiring 26 credits:

- **Career/College Readiness Diploma**
  Graduates are recognized as having met entrance requirements for most Missouri universities. Work with your Counselor for more guidance.

- **Gold Medallion Honors Diploma**
  Graduates receive honors and are recognized for completing a rigorous program designed to meet all entrance requirements for the University of Missouri system as well as most universities nationwide.

- **AP Capstone Diploma**
  Graduates receive honors and are recognized for completing the AP Capstone courses, earning a 3 or above on the assessments, as well as earning a 3 or above on four additional AP courses throughout their high school career.

- **International Baccalaureate Diploma Program (IBDP)**
  Graduates receive honors and are recognized for completing rigorous international curricula designed to meet the entrance requirements of the world’s best universities.

- **International Baccalaureate Career-Related Program Certificate (IBCP)**
  Graduates receive honors and are recognized for completing rigorous international curricula combined with a career pathway to enter the workforce and/or to meet the entrance requirements of higher learning institutions.

Middle School Classes Counting for High School Credit
(High School Algebra, Geometry, and Global Language)

Advanced standing credit for these classes will be transcribed with the notation that the courses were completed prior to ninth grade. These courses may be counted toward meeting the subject area and credit requirements for high school graduation.

These classes are computed into GPA and Class Rank. Classes may be repeated at the high school; however, credit may not be duplicated.
## Diploma Credits Required

### Paths to Graduation

<table>
<thead>
<tr>
<th>DIPLOMA OPTIONS:</th>
<th>Career/College Readiness</th>
<th>Gold Medallion</th>
<th>AP Capstone</th>
<th>IBDP</th>
<th>IBCP</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLISH LANGUAGE ARTS</td>
<td>4</td>
<td>4</td>
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<tr>
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<td>SCIENCE</td>
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<td>SOCIAL STUDIES</td>
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<tr>
<td>PRACTICAL ARTS</td>
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</tr>
<tr>
<td>PHYSICAL EDUCATION</td>
<td>1</td>
<td>1</td>
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<tr>
<td>HEALTH</td>
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<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
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</tr>
<tr>
<td>PERSONAL FINANCE +</td>
<td>0.5+</td>
<td>0.5+</td>
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<td>0.5+</td>
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<td>ELECTIVES</td>
<td>8</td>
<td>4</td>
<td>6</td>
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<td>.5-4</td>
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<tr>
<td>AP SEMINAR</td>
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<td>1++</td>
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<tr>
<td>AP RESEARCH</td>
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<td>1</td>
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<tr>
<td>THEORY OF KNOWLEDGE</td>
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<td>1.5</td>
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<td>PERSONAL AND PROFESSIONAL SKILLS</td>
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<td>CAREER RELATED STUDY</td>
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<td>3-4</td>
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<tr>
<td><strong>TOTAL CREDITS REQUIRED</strong></td>
<td><strong>26</strong></td>
<td><strong>26</strong></td>
<td><strong>26</strong></td>
<td><strong>26</strong></td>
<td><strong>26</strong></td>
</tr>
</tbody>
</table>

*All students will be required to complete a service component*

+ **Personal Finance** will be an on-line course, with blended support

++ **AP Seminar and AP Research** – Optional for students pursuing IBCP

- Seniors must successfully complete all graduation requirements prior to participation in graduation ceremonies.
- Students must pass the U.S. /MO Constitution Test as a requirement for graduation.
- Students must pass the Missouri Civics Education Initiative (MCEI) Exam as a graduation requirement.
- Students must complete all EOC (End of Course) requirements and seniors are required to complete one of these assessments before graduation: ACT/SAT, ASVAB or WorkKeys.
- Students must complete a 30-minute CPR Training.

### Credit Recovery & Grade Replacement

Students have several options if they fail a course or earn a low grade. A student may retake a course but the grade from the original class will remain on their transcript, however; the original grade will not be included in the calculation of the student’s GPA. For information on credit recovery and replacing grades, contact your school’s counseling office.

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When deciding which diploma option is best for their Individual Career and Academic Plan (ICAP), each student should consider career goals and entrance requirements of colleges and universities they might attend.
### Career/College Readiness Diploma

<table>
<thead>
<tr>
<th>COURSE</th>
<th>CREDITS</th>
<th>REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENGLISH LANGUAGE ARTS</strong></td>
<td>4</td>
<td>Must include English Language Arts I and II, plus an approved third and fourth year course</td>
</tr>
<tr>
<td><strong>MATHEMATICS</strong></td>
<td>4</td>
<td>Must include Algebra I and Geometry (a college readiness pathway will include Algebra I, Geometry, Algebra II and one additional math credit)</td>
</tr>
<tr>
<td><strong>SCIENCE</strong></td>
<td>3</td>
<td>Class of 2020 through 2022: must include Physics, Chemistry, and Biology Beginning with Class of 2023: must include Biology, Chemistry and an additional Science course</td>
</tr>
<tr>
<td><strong>SOCIAL STUDIES</strong></td>
<td>3</td>
<td>Must include World History/AP Human Geography, US History, and American Citizenship/AP Government</td>
</tr>
<tr>
<td><strong>FINE ARTS</strong></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>PRACTICAL ARTS</strong></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>PHYSICAL EDUCATION</strong></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>HEALTH</strong></td>
<td>0.5</td>
<td>Will be an on-line course, with blended support</td>
</tr>
<tr>
<td><strong>PERSONAL FINANCE +</strong></td>
<td>0.5+</td>
<td>Should be selected to meet state and local graduation requirements. The courses should be selected and planned by the school, the student, and the student's parents to develop the student's aptitude and skills. Advanced vocational-technical courses that have been selected to support and strengthen the student's college readiness program or career choice may be used to fulfill this general elective requirement.</td>
</tr>
<tr>
<td><strong>ELECTIVES</strong></td>
<td>8</td>
<td>Two credits of Global Language are strongly recommended, if student's education plans include enrollment where admission requires two years of the same global language.</td>
</tr>
<tr>
<td><strong>GLOBAL LANGUAGE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>26 Credits</td>
<td></td>
</tr>
</tbody>
</table>

Graduation Requirements for North Kansas City Schools Service to Community Hours

The following guidelines are to be utilized as a guide for required Service to Community hours for graduation from the North Kansas City Schools.

1. Service to Community is volunteer work for which no other credit or monetary compensation is received. It is recommended that the work should be for a not-for-profit organization.
2. Twenty (20) Service to Community hours are required for graduation from each district high school. A student will not participate in graduation ceremonies or receive a diploma if he or she has not performed twenty (20) Service to Community hours.
3. In general, the following types of activities will qualify for the Service to Community requirements.
   - Charitable activities for non-profit organizations
   - Individual student tutoring (A+ Peer Tutoring Program or under the direct supervision of a teacher outside the regular school hours)
   - Civic activities sponsored by clubs, Parks and Recreations, Chambers of Commerce, businesses, churches, schools, hospitals, residential care facilities and other community groups
   - Activities of school-sponsored clubs that benefit the community, such as school-based Booster Clubs
**Gold Medallion Honors Diploma**

Graduates receive honors and are recognized for completing a rigorous program designed to meet all entrance requirements for the University of Missouri system as well as most public universities nationwide.

**Who should seek the Gold Medallion Honors Diploma?**
- The student who is academically able and highly motivated.
- The student who wants a jump-start on earning college credit and wants to do real life-projects.
- The student who is willing to work for having this diploma of distinction.

### Gold Medallion Honors Diploma

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENGLISH LANGUAGE ARTS</strong></td>
<td>4</td>
<td>Must include English Language Arts I and II and two advanced ELA courses (e.g., Honors Comp &amp; Lit, College English, AP English Lit &amp; Comp, AP English Lang &amp; Comp)</td>
</tr>
<tr>
<td><strong>MATHEMATICS</strong></td>
<td>4</td>
<td>Must include Algebra I, Geometry, Algebra II and one credit of additional advanced math</td>
</tr>
<tr>
<td><strong>SCIENCE</strong></td>
<td>3</td>
<td>Class of 2020 through 2022: must include Physics, Chemistry, and Biology. Beginning with Class of 2023: must include Biology, Chemistry and an additional Science course</td>
</tr>
<tr>
<td><strong>SOCIAL STUDIES</strong></td>
<td>4</td>
<td>Must include World History/AP Human Geography, US History, and American Citizenship/AP Government, and one additional Social Studies elective (e.g., AP Psychology, AP United States History, AP World History: Modern, Psychology, Military History or Sociology, AP Human Geography)</td>
</tr>
<tr>
<td><strong>FINE ARTS</strong></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>PRACTICAL ARTS</strong></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>PHYSICAL EDUCATION</strong></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>HEALTH</strong></td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td><strong>PERSONAL FINANCE+</strong></td>
<td>0.5+</td>
<td></td>
</tr>
<tr>
<td><strong>ELECTIVES</strong></td>
<td>4</td>
<td>ADDITIONAL CREDITS in Global Language and/or additional advanced courses from ELA, Mathematics, Science, Social Studies, Fine Arts and Practical Arts</td>
</tr>
<tr>
<td><strong>GLOBAL LANGUAGE</strong></td>
<td>2</td>
<td>Must include two credits of the same language.</td>
</tr>
<tr>
<td><strong>AP SEMINAR</strong></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>26</td>
<td>26 Credits</td>
</tr>
</tbody>
</table>

**Additional Requirements for Gold Medallion Diploma**
- Earn a cumulative grade point average (GPA) of 3.2 grade or above, including college credit courses.
- Perform at or above the 85th percentile on an 11th or 12th grade national standardized academic test (ACT or SAT).
- Within the 26 required credits, 8 or more must be in Honors, Dual Credit, or AP courses.
- Algebra I, Honors Geometry, and Global Language taken in middle school will count towards Gold Medallion.
- Participate in 100 hours of community service, tutoring, or mentoring.
- Complete a 40-hour School to Career Internship(s) in a chosen career path.
Additional Requirements for Gold Medallion Diploma (continued)

- Successful completion of AP Seminar with a grade of B or above each semester.
- Develop a comprehensive portfolio with examples of best work, extracurricular participation, and reflection.

Gold Medallion Honors Diploma candidates may appeal to the principal for a waiver in extreme situations. The intent, however, is to keep the diploma standards high. Planning ahead is essential and should begin during the 9th grade year. Exhibition and required preparation semesters may not be waived.

Note: Seniors must successfully complete all graduation requirements prior to participation in graduation ceremonies.

For more information and a copy of the Gold Medallion Honors Diploma Planning Guide, see your high school counselor, Gold Medallion teacher, district website, or call the Executive Director of Career and College Readiness at (816) 321-5656.
AP Capstone Diploma

Participating in AP Capstone can help students:

- Stand out to colleges in the application process.
- Develop key academic skills they'll use in college and beyond.
- Become self-confident, independent thinkers and problem solvers.
- Earn college credit: Many colleges offer credit for qualifying scores.

### AP Capstone Diploma

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
<th>Requirements</th>
</tr>
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<tbody>
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<td>SCIENCE</td>
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<td>Class of 2020 through 2022: must include Physics, Chemistry, and Biology</td>
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<td>Must include World History/AP Human Geography, US History, and American Citizenship/AP Government</td>
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<tr>
<td>FINE ARTS</td>
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<td></td>
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<td>PRACTICAL ARTS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PHYSICAL EDUCATION</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>HEALTH</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>PERSONAL FINANCE +</td>
<td>0.5+</td>
<td>Will be an on-line course, with blended support</td>
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<td>ELECTIVES</td>
<td>6</td>
<td>Should be selected to meet state and local graduation requirements. The courses should be selected and planned by the school, the student, and the student's parents to develop the student's aptitude and skills. Advanced vocational-technical courses that have been selected to support and strengthen the student's college readiness program or career choice may be used to fulfill this general elective requirement.</td>
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<td></td>
<td>Two credits of Global Language are strongly recommended, if student's education plans include enrollment where admission requires two years of the same global language.</td>
</tr>
<tr>
<td>AP SEMINAR</td>
<td>1</td>
<td>Student must score a 3 or above on the AP Seminar Exam</td>
</tr>
<tr>
<td>AP RESEARCH</td>
<td>1</td>
<td>Student must score a 3 or above on the AP Research Exam</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
<td>26 Credits</td>
<td></td>
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</tbody>
</table>

**Additional Requirements for AP Capstone Diploma**

- Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma™
- Students must fulfill all requirements of the Career/College Readiness Diploma

*Note: Seniors must successfully complete all graduation requirements prior to participation in graduation ceremonies.*

For more information about the AP Capstone Diploma, see your high school counselor, the district website, or call the Executive Director of Career and College Readiness at (816) 321-5656.
**International Baccalaureate Diploma Program (IBDP)**

Graduates receive honors and are recognized for completing rigorous international curricula designed to meet the entrance requirements of the world’s best universities.

<table>
<thead>
<tr>
<th>International Baccalaureate Diploma Program (IBDP)</th>
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</thead>
<tbody>
<tr>
<td><strong>ENGLISH LANGUAGE ARTS</strong> (Language A)</td>
<td>4</td>
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<tr>
<td>NKCHS Pre-IB/Honors ELA I, II</td>
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<td>IB English A: Literature HL (two years)</td>
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<td><strong>GLOBAL LANGUAGE</strong> (Language B)</td>
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<td>NKCHS Pre-IB/Honors Language B (two years)</td>
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<tr>
<td>IB Language B SL (two years)</td>
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<td><strong>MATHEMATICS</strong></td>
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<tr>
<td>NKCHS Pre-IB/Honors Algebra II</td>
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<tr>
<td>Pre-Calculus</td>
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<td>Calculus</td>
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<tr>
<td>IB Math: Applications and Interpretation SL</td>
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<tr>
<td>IB Math: Analysis and Approaches SL/HL</td>
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<tr>
<td><strong>SCIENCE</strong> (Experimental Sciences)</td>
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<td>NKCHS Pre-IB/Honors Biology</td>
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<td>NKCHS Pre-IB/Honors Chemistry</td>
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<td>NKCHS Pre-IB/Honors Physics (required for class of 2020-2022)</td>
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<td>IB Biology or Chemistry SL</td>
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<tr>
<td>IB Environmental Systems and Societies SL</td>
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<tr>
<td>IB Biology or Chemistry HL (two years)</td>
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<td><strong>SOCIAL STUDIES</strong> (Individuals &amp; Societies)</td>
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<td>NKCHS Pre-IB/Honors World History</td>
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<td>NKCHS Pre-IB/Honors US History II/Government</td>
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<tr>
<td><strong>PERSONAL FINANCE+</strong></td>
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<td><strong>ARTS and ELECTIVES</strong></td>
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<tr>
<td>NKCHS Pre-IB/Honors Art/Design I, II</td>
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<tr>
<td>NKCHS Pre-IB/Honors Theatre I, II</td>
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<tr>
<td>IB Visual Arts HL (two years)</td>
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<tr>
<td>IB Theatre HL (two years)</td>
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<tr>
<td>IB Music SL</td>
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<tr>
<td>IB Psychology SL or HL</td>
<td></td>
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<tr>
<td>IB Social and Cultural Anthropology SL or HL</td>
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<tr>
<td>IB Language B SL (third language)</td>
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<tr>
<td>IB Biology or Chemistry SL or HL</td>
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<td><strong>THEORY OF KNOWLEDGE</strong></td>
<td>1.5-2</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>26+ Credits</strong></td>
</tr>
</tbody>
</table>

**SL - Standard Level;  HL - Higher Level**
Additional Requirements for International Baccalaureate Diploma Program

**NKCHS Pre-IB Program (9th & 10th Grades)**
- Two years of literature and composition in NKCHS Pre-IB/Honors English Language Arts I and II.
- Two years of NKCHS Pre-IB/Honors Mathematics, which may include Geometry, Algebra II, or Pre-Calculus/Trigonometry.
- Two years of a second language in NKCHS Pre-IB/Honors Spanish or French.
- Two or three years of experimental sciences. Students will take NKCHS Pre-IB/Honors Biology in grade 9, NKCHS Pre-IB/Honors Chemistry in grade 10, and may take NKCHS Pre-IB/Honors Physics in grade 10 or 11.
- Additional DESE requirements not met in the NKCHS Pre-IB Curriculum, such as physical education or practical arts. Health and Physical Education may be offered in the Summer Learning Program.
- Electives

**IBDP Course Requirements (11th & 12th Grades)**
- Complete the IB Curriculum in six disciplines and take externally graded examinations.
- Write an extended essay in one of the IB disciplines.
- Complete the Theory of Knowledge course of study.
- Meet seven learning outcomes of Creativity, Activity, and Service (CAS) over 18 months.

If a combined course is offered, e.g., Advanced Placement and IB in the same class, a student may receive distinction points for AP or IB, but not both. Students interested in entering the NKCHS Pre-IB Program may contact their counselor, the IB coordinator or building principal at North Kansas City High School.

To receive the official International Baccalaureate Diploma, the IB Diploma candidate must meet the specific requirements of the IB. To graduate from the North Kansas City School District as an IB diploma candidate, the graduate must complete a minimum of 26 credits during grades 9-12 and meet the other listed requirements.

Additional information is available in the IB Guide.

*Note: Algebra I, Geometry, and Global Language I taken in middle school may count as additional credits for students pursuing the International Baccalaureate Diploma.*

For more information and a copy of the International Baccalaureate Diploma Planning Guide, contact Mrs. Epperson, IB Administrative Assistant, at (816) 321-4556, Mrs. Michelle Washington, IB Counselor, at (816) 321-5791 or Dr. Jane Reed, IB Diploma Coordinator at (816) 321-5967.
International Baccalaureate Career-Related Program (IBCP)

Graduates receive honors and are recognized for completing rigorous international curricula combined with a career pathway to enter the workforce and/or to meet the entrance requirements of higher learning institutions.

### Select One Career-Related Study:

**Biomedical:** College Principles of Biomedical Science – PLTW, College Human Body Systems – PLTW, College Medical Interventions – PLTW, College Biomedical Innovation – PLTW

**Computer Science:** College Computer Science Essentials - PLTW, AP College Computer Science Principles – PLTW, AP College Computer Science A – PLTW, College Cybersecurity - PLTW

**Culinary Arts:** Foods for Life, ProStart Foods Level I, ProStart Foods Level II, FACS internship

**Engineering:** College Intro to Engineering Design – PLTW, College Principles of Engineering – PLTW, College Digital Electronics – PLTW or College Civil Engineering and Architecture – PLTW, and College Engineering Design and Development – PLTW

**Teaching:** Child Development I – Child Development II – College Introduction to Teaching – FACS Internship

Courses in **BOLD** indicate Diploma Program Courses (at least 3 required)

<table>
<thead>
<tr>
<th>ENGLISH LANGUAGE ARTS</th>
<th>4</th>
<th>NKCHS Pre-IB ELA I/II; IB Language A: Literature HL (two years) or IB Language A: Language and Literature HL or Advanced English Language Arts</th>
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</thead>
<tbody>
<tr>
<td>Language A (Pre-IB options)</td>
<td></td>
<td>Algebra I; NKCHS Pre-IB/Honors Geometry or Geometry; NKCHS Pre-IB/Honors Algebra II/Trigonometry or Algebra II/Trigonometry; One credit of additional advanced math; IB Pre-Calculus, IB Math Studies, IB Calculus I/II, IB Mathematics HL</td>
</tr>
<tr>
<td>MATHEMATICS *</td>
<td>4</td>
<td>NKCHS Pre-IB Physics, Chemistry, Biology I or Physics, Chemistry, Biology I; Physics, Chemistry, Biology; IB Biology, Chemistry, or Physics SL; IB Biology or Chemistry HL or IB Environmental Systems &amp; Societies SL (two years)</td>
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<tr>
<td>SCIENCE (Experimental Sciences)</td>
<td>4</td>
<td>NKCHS Pre-IB World History I, II/Govt or World History I, II/Govt; American Citizenship/AP Government; One elective: AP Psychology, AP United States History, AP World History: Modern, Psychology, Sociology, or Military History; IB History SL/HL (one or two years)</td>
</tr>
<tr>
<td>FINE ARTS</td>
<td>1</td>
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<tr>
<td>PRACTICAL ARTS</td>
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<tr>
<td>PHYSICAL EDUCATION</td>
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<tr>
<td>HEALTH</td>
<td>0.5</td>
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<tr>
<td>PERSONAL FINANCE+</td>
<td>0.5+</td>
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<tr>
<td>ARTS and ELECTIVES</td>
<td>.5-4</td>
<td></td>
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<tr>
<td>GLOBAL LANGUAGE or Language B (language acquisition)</td>
<td>3</td>
<td></td>
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<tr>
<td>PERSONAL AND PROFESSIONAL SKILLS</td>
<td>1.5-2</td>
<td></td>
</tr>
<tr>
<td>CAREER RELATED STUDY</td>
<td>3-4</td>
<td>See Career-Related Studies above</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
<td><strong>26+ Credits</strong></td>
<td></td>
</tr>
</tbody>
</table>

SL = Standard Level; HL = Higher Level

* Algebra I, Geometry, and Global Language I, taken in Middle School may count as additional units of credit for students pursuing the International Baccalaureate Career.
**Additional Requirements for International Baccalaureate Career-Related Program**

**NKCHS Pre-IB Program (9th & 10th Grade)**
- Two years of NKCHS Pre-IB/Honors subjects that students plan to take as their elected IB courses (a minimum of two)
- Three years of a second language in NKCHS Pre-IB/Honors Spanish or French.
- Additional DESE requirements not met in the NKCHS Pre-IB Curriculum, such as physical education or practical arts; Health and Physical Education may be offered in the Summer Learning Program
- Electives

**IBCP Course Requirements (11th & 12th Grades)**
- Complete the IB Curriculum in at least three disciplines and take externally graded examinations
- One of those three must be IB Language A: Literature HL or IB Language A: Language and Literature HL
- Write a reflective project
- Complete the Personal and Professional Skills course of study
- Engage in 50 hours of Language Development (LD), Reflective Project (RP), and Service Learning (SL)
- Meet five learner outcomes for Service Learning (SL)

If a combined course is offered, e.g., Advanced Placement and IB in the same class, a student may receive distinction points for AP or IB, but not both. Students interested in entering the NKCHS Pre-IB Program may contact their counselor, the IB coordinator or building principal at North Kansas City High School.

To receive the official International Baccalaureate Career-related Certificate, the IB Career-related candidate must meet the specific requirements of the IB. To graduate from the North Kansas City School District as an IB Career-related candidate, the graduate must complete a minimum of 26 credits during grades 9-12 and meet the other listed requirements.

Additional information is available in the IB Guide.

**Notes:** Algebra I, Geometry, and Global Language I taken in middle school may count as additional credits for students pursuing the International Baccalaureate Diploma.

For more information and a copy of the International Baccalaureate Planning Guide, contact Mrs. Epperson, IB Administrative Assistant, at (816) 321-4556, Mrs. Washington, IB Counselor, at (816) 321-5791 or Dr. Chad Lower, IB Career-Related Coordinator at (816) 321-5586.
**Grade Point Average (GPA)**

To calculate Grade Point Average (GPA)*, course grade points are summed and divided by the number of course units completed. For GPA calculations, points are assigned for each course completed as follows:

- 4.0 grade points for an A
- 3.0 grade points for a B
- 2.0 grade points for a C
- 1.0 grade point for a D
- 0.0 grade point for an F

In an effort to encourage and recognize students who accept the challenges of academic rigor and demonstrate high performance, all students who complete the components of the Gold Medallion Honors Diploma will graduate with distinction and are recognized as Honor Graduates. To further recognize students for accepting the challenges of advanced course work, weighted credit will be awarded in addition to grade points in determining class rank. Weighted credit for class rank allow students to be recognized for accepting the academic challenges of advanced courses and not be adversely impacted by grades in such rigorous coursework.

**Weighted Courses**

A weighted credit policy is utilized to provide incentives for students to take the most challenging coursework possible. All honors courses will be worth a .5 weighted addition to a student’s GPA in those individual courses. All courses that are externally assessed by a nationally or internationally-recognized program (i.e., AP, IB, PLTW, and/or TSAs) will be worth a 1.0 weighted addition if a student completes the course and sits for the external exam. Students who complete an AP, IB, PLTW, or TSA tested course, but do not sit for the exam, will earn a .5 weighted addition to their GPA. Dual credit courses are also worth a 1.0 weighted addition.

**Class Rank**

Class rank* is based on a student’s weighted GPA for satisfactory completion of Distinguished Achievement Program (DAP) courses. If a combined course is offered, e.g., Advanced Placement and Dual Credit or AP and IB in the same class, a student may receive weighted credit for AP or DC or IB. Distinction points may only be granted for one.

When a student is reclassified from 11th to 12th grade for purpose of graduating ahead of their cohort (Class of 20XX), then NKCS will follow the procedure to EXCLUDE the reclassified student from the class rank of the graduating class. For example, a student in the cohort 2020 (Class of 2020) with current grade level 11 is reclassified to 12th grade and graduates May 2019, they will be EXCLUDED from the class rank of the cohort 2019 (Class of 2019).

Upon request, a letter explaining this procedure and the student’s class rank among his or her cohort at the time of reclassification will be included with the student’s transcript. Please direct questions regarding this procedure to your high school’s administration.

* GPA and Class Rank are calculated at the end of the 3rd, 4th, 5th, 6th, 7th, and 8th semesters.
**Students in Academically Gifted Education (SAGE)**

The goal of the SAGE program in high school is to provide personalized services for students to allow each student to maximize his or her capabilities. Each high school has a Gifted Resource Specialist (GRS) that serves as an advisor to the gifted students in grades 9-12. The GRS has specialized gifted certification, which can further enhance what this population of students require.

The Gifted Resource Specialist works with the student’s counselor to develop a four-year high school plan and choose appropriate courses. To facilitate the student’s best opportunities, the GRS will work with students and parents in recommending extracurricular activities, summer programs, available scholarships, competitions, and will assist in facilitating internships and mentor programs.

*For additional information please contact the Executive Director of Career and College Readiness at (816) 321-5656.*

**Honors Classes/College Readiness**

North Kansas City Schools offer “Honors” courses to secondary students. The purpose of these courses is to address the cognitive and affective needs of high achieving students by providing an accelerated and enriched academic program. Honors courses ensure differentiated curricula that are provided for all students. These courses challenge students to complete rigorous academic work and to be responsible for their own learning. In addition, courses are designed to help students demonstrate mastery of district graduation goals.

Honors courses comprise one component of earning honors recognition in high school. Students who meet the requirements of the Gold Medallion Honors Diploma or the International Baccalaureate Diploma earn honors status. Requirements include successful completion of eight or more credits in Honors courses. Honors, Pre-IB or AP courses may be selected from specially designated offerings at the freshman/sophomore level and from any honors, dual credit, AP, or IB course at the junior/senior level.

**How do I decide?**

Honors courses challenge students, even if they have successfully earned high grades without struggling in the past. Courses require hard work, dedication, and self-discipline. Students will be expected to make a substantial time commitment for study and homework. Students looking for a challenge and possessing a strong desire to achieve academic excellence should consider the following list of characteristics:

- Have consistently earned As or Bs in the selected area(s) of coursework in middle school.
- Have standardized test achievement score(s) in the 80th percentile or higher in the selected area(s) of coursework.
- Have 95% or higher average daily attendance.
- Able to organize, plan, and complete assignments and projects with little direction or additional support.
- Consistently demonstrate higher-order thinking skills by applying knowledge, applying skills, analyzing, and evaluating.
- Demonstrate self-discipline and the ability to cooperate with classmates and teachers.
- Have a strong interest in and curiosity about the subject matter.

If you have questions or would like further information, call your student’s counselor or any administrator at your high school.

**Advanced Placement Programs**

The Advanced Placement Program, administered by the College Board, gives high school students an opportunity to demonstrate what they have learned by taking AP Exams. Depending upon the AP Score, colleges and universities have the option to grant credit, placement, or both to these students. Although approximately 2,900 colleges and universities award AP credit, students taking AP classes are advised to ask their prospective college or university for a copy of their AP policy or to look for it in the college catalog. Although a student may take an AP exam without having taken any specific class, a rigorous, well-planned
course of study will increase the likelihood of success. Students wanting to participate in the Advanced Placement Program or obtain information on the costs, content of the exams, or other details should contact their counselor.

**Expectation:** Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester. All exams are administered in May.

Additional information also may be found online at www.collegeboard.org/ap.

**Classes for College Credit (Dual Credit)**

College classes are offered in conjunction with several area colleges and universities. Students receive college credit as well as high school credit. Most colleges will transfer these credits toward their degree programs. However, it is recommended the student check with the college he/she plans to attend to see if they will accept the college credit. The cost to the student varies, but is often less than ½ the cost of regular tuition.

The Missouri Coordinating Board for Higher Education has a dual credit policy that applies ONLY to high school students taught on a high school campus by high school teachers. It does not apply to dual credit courses taught by college or university instructors on any campus or via television or the internet. Students are required to complete an off-site dual enrollment application and obtain approval from their counselor if they plan to take an off campus dual credit class. A copy of the application can be obtained from your counselor.

Student eligibility is determined by the university awarding credit.

**Transferability of Credit**

- Colleges and universities may limit the transfer of credit. Publicly-funded universities in the state of Missouri are mandated to accept general education courses that fall within the CORE 42 (https://dhe.mo.gov/core42.php).
- Each individual college and university has a written policy describing limits on dual credit courses.
- Students need to check with the colleges/universities they plan to attend for additional specific information.

**Project Lead the Way (PLTW)**

Project Lead the Way (PLTW) is a Science, Technology, Engineering, and Math (STEM) based education program which is offered in all four of our high schools. Students enjoy this challenging program that incorporates and addresses the goal of raising standards of learning. It also allows them to participate in a program that will allow them to explore a major career path and, if they wish to continue, will prepare them for further education at a two- or four-year college in STEM related fields.

From launching space explorations to delivering safe, clean water to communities, engineers find solutions to pressing problems and turn their ideas into reality. PLTW Engineering empowers students to step into the role of an engineer, adopt a problem-solving mindset, and make the leap from dreamers to doers. The program’s courses engage students in compelling, real-world challenges that help them become better collaborators and thinkers. Students take from the courses in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they take.

The PLTW Biomedical Sciences Program prepares student to take advantage of the tremendous career opportunities available in health and science. The hand-on project-based and problem-based curriculum engages students, allows them to explore the wide variety of health care and science career options, and equips them with the knowledge and skills necessary to succeed in any post-secondary biomedical program. Whether designing apps to meet client needs or exploring cybersecurity, PLTW Computer Science engages students in interdisciplinary activities that not only build knowledge and skills in computer science, but also
empower students to develop essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance. The program’s courses empowers students with in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they choose.

*Note: All PLTW pathways are offered as career-related pathways in the IB Career-related (IBCP) program.*

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**Seal of Biliteracy**

The Seal of Biliteracy is awarded by the Missouri Department of Elementary and Secondary Education to recognize students who have attained an Intermediate-Level of proficiency in English and in one or more other global languages by high school graduation. This recognition of biliteracy becomes part of the high school transcript for these students. Students can earn approximately 12 hours of college credit at an increasing number of institutions.

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**Online Learning Fueled by Launch**

NKC Schools has partnered with Launch, a virtual academy that offers students quality online learning options. Launch’s courses are taught by highly qualified Missouri-certified teachers who currently live and work in Missouri school districts. Some courses offered are identified by the symbol shown in the course description section of this catalog. In addition, a list of all available Launch course offerings is provided below. Courses can be accessed 24 hours a day, seven days a week, using any computer with internet access. Students have 7 days-a-week technical support through support@fueledbylaunch.com. All Launch instructors are required to have 3 office hours per week allowing questions to be answered within 30 minutes. Outside of office hours, instructors should be answering questions within 8 hours. Students enroll in Launch classes during their regular enrollment time with their building counselor. For specific course information, such as detailed course description(s), honors availability, dual credit status or NCAA core course approval, visit www.fueledbylaunch.com.

**Advanced Placement**
- AP Calculus AB (1.0)
- AP Calculus BC (1.0)
- AP Computer Science A (1.0)
- AP English Lit & Comp (1.0)
- AP European History (1.0)
- AP Physics (1.0)
- AP Psychology (1.0)
- AP Statistics (1.0)
- AP US Gov. & Politics (1.0)
- AP US History (1.0)

**Electives**
- ACT Prep (.5)
- Driver Education (.5)
- Employment Internship (.5)
- Film as Literature I (.5)
- Film as Literature II (.5)

**English Language Arts**
- Contemporary Lit (1.0)
- Creative Writing I (.5)

**English Language Arts (cont.)**
- Creative Writing II (.5)
- English I (1.0)
- English II (1.0)
- English III (1.0)
- Introductory Speech (1.0)

**Fine Arts**
- Fine Arts Appreciation I: Music (.5)
- Fine Arts Appreciation II: Art (.5)
- Music Theory (1.0)

**Health and Physical Education**
- Health (.5)
- Physical Education I (.5)
- Physical Fitness (.5)

**Mathematics**
- Algebra I (.10)
- Algebra II (.10)
- Geometry (1.0)

**Practical Arts**
- Accounting (1.0)
- Computer Applications (.5)
- Economics (.5)
- FACS Internship (.5)
- Intro. to Computer Science (.5)
- Personal Finance (.5)
- Web Design (.5)

**Science**
- Astronomy (1.0)
- Chemistry (1.0)
- Earth Science (1.0)
- General Biology (1.0)
- Physical Science (1.0)

**Social Studies**
- American Baseball History (.5)
- American Civil War (.5)
- Liberty & Law (Gov.) (.5)
- Psychology of the Holocaust (1.0)
- Psychology (.5)
- Sociology (.5)

**World Languages**
- Chinese I (1.0)
- French I (1.0)
- French II (1.0)
- French III (1.0)
- French IV (1.0)
- German I (1.0)
- German II (1.0)
- Japanese I (1.0)
- Japanese II (1.0)
- Spanish I (1.0)
- Spanish II (1.0)
- Spanish III (1.0)
- Spanish IV (1.0)

• (.5) classes are semester based, .5 credit classes
• (1.0) classes are year-long, full credit classes
• AP Exams and End of Course (EOC) exams are given on the district schedule and are required to be taken in person at your high school.

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**North Kansas City Schools**

2020-21 CPEG
**Missouri Course Access Program (MOCAP)**
In addition to courses available through Launch, eligible students may enroll in virtual courses offered through the Missouri Course Access Program (MOCAP). The district will accept all grades and credits earned through district-sponsored virtual instruction and MOCAP. See your counselor for more information.

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**Career Experiences – Off Campus**

Students may apply for off campus experiences during their sophomore year. Enrollment will be in their junior and senior years. Student selection is based on successful completion of prerequisites, good school attendance, and attitude. If students enter a two-year Career Experiences - Off Campus program, they are expected to complete both the junior and senior year. Credit in two years of English Language Arts and Math is usually required before a student is considered for the two-year Career Experiences – Off Campus program.

**Internship Opportunities**
These classes provide students the opportunity for a hands-on related career experience in their field of interest and provide guidance in exploring career options. Refer to the Practical Arts section for course descriptions.

- Family & Consumer Science Internship
- Marketing Internship

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**Career and Technical Education Center (CTEC)**
The following programs are available at the Career Technical Education Center:

- Automotive Technology – In this hands-on learning environment, students are able to experience both the diagnostic and repair side of automotive technology. Students will have an opportunity to earn all 8 NATEF certifications.

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**Business & Technology Center (BTC)-Metropolitan Community College**
These programs are open to juniors and seniors who are ready to start college-level work and get a head-start towards a high-skill, in-demand career field. The Metropolitan Community College-Business & Technology campus is located at: 1775 Universal Avenue, Kansas City, MO 64120.

This is college level work and grades earned will go on your permanent college transcript. Poor grades may affect your ability to receive Financial Aid. However, MCC provides additional tutoring and lab support for Early College students.

Students spend 50% of time in class learning theory, safety, and technique and the other 50% of time in lab completing hands-on projects. Students in the Early College program will complete college level Mathematics and English classes.
**Kansas City Career Construction Academy**
The Kansas City Career Construction Academy (KCCCA) students will earn between 10 and 12 college hours per semester of enrollment at MCC – Business & Technology campus. KCCCA is a full day off campus program and open to all students starting their Junior year. Students will have the opportunity to concurrently earn their high school diploma and a full Associate of Applied Sciences degree in Building Maintenance and Construction in two years, at the time of their high school graduation, at NO ADDITIONAL COST to students or families. The college courses taken at MCC – Business & Technology include core content that fulfill high school graduation requirements.

Upon successful completion of the program, students will be eligible to be sponsored by one of the program’s partner contractors. The sponsorship will allow these students to start in the field, learning a skilled trade as a first-year apprentice, immediately earning a livable wage, and on track to earning the prevailing wage in their skilled trade. These college courses will concurrently count toward high school graduation requirements AND toward a college degree. These courses may be part of the CORE 42 that are transferrable to any publicly-funded 4-year college or university in Missouri.

**Early College Academy**
The Early College Academy students will earn between 10 and 12 college hours per semester of enrollment at MCC - Maple Woods. Juniors and seniors can apply to for the Early College Academy and can choose from the morning 8 am – 11 am session or the afternoon 11 am – 2 pm session. These college courses will concurrently count toward high school graduation requirements AND toward a college degree. These courses may be part of the CORE 42 that are transferrable to any publicly-funded 4-year college or university in Missouri. Students can make substantial progress toward earning an Associate of Arts degree if they choose that postsecondary path, or transfer the coursework to other publicly-funded colleges or universities.

**Northland Center for Advanced Professional Studies (Northland CAPS)**
Northland CAPS is an educational career exploration program. Juniors and Seniors are involved with business partners in the Northland, working side by side with employees at their site to solve authentic problems for their business. Northland CAPS students are immersed in professional environments engaging in curriculum developed by industry professionals and program instructors – ensuring that what is taught in the classroom is relevant to the workforce. Learning is enhanced by project work direct from industry partners who engage to mentor students and ensure timely, accurate and real project results.

Learning at Northland CAPS is real-time, real-world and hands-on. Emphasis is placed on developing professional skills, such as communication and collaboration, which employers deem highly important to individual success.

**Northland Career Center (NCC)**
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 the 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. Upon successful completion of a one or two-year course, the student will receive a certificate and list of completed Standards. [www.northlandcareercenter.com](http://www.northlandcareercenter.com)

**Note:** Students participating in the afternoon session must provide their own transportation home from the high school because the schedule for the NCC programs extends outside the normal school day. Buses for NCC return as late as 3:15 p.m. for the afternoon session. The school district cannot provide transportation home for students wishing to enroll in afternoon session at NCC. As an NCC student, you are expected to follow the Platte
County R-3 School District calendar for that portion of the day in which you are on their campus. If Platte County is in session and NKCS is not, you will be expected to attend your session. Conversely, on days in which Platte County R-3 is closed and North Kansas City Schools is open, you will be expected to be at your home campus for your classes. On the days North Kansas City Schools has ½ days, NCC students are still expected to attend the NCC class sections to which they are assigned.

**Apprenticeship**

After meeting eligibility requirements, students may receive advanced placement on the beginning wage scale upon admission to one of several apprenticeship programs. See your counselor for specific eligibility requirements.

**College Credit**

Students may earn college credit from selected 2- and 4-year post-secondary institutions. The actual credit varies from program to program. See your counselor for more information.

**Correspondence**

State and local board policy allows a student to apply up to three units of credit from correspondence toward meeting district graduation requirements. Correspondence credit must be from a correspondence school accredited by AdvancED or its equivalent. Grades are listed as pass/fail and are not included in high school GPA.

**Other Programs**

**English Language Learners (ELL)**

At the high school level, courses are offered which correspond to students’ levels of English language proficiency. Course placement is determined by the outcome of a federally-mandated language assessment (the WIDA screener), which is given by a trained ELL specialist prior to enrollment.

**ELL Newcomer Program**

The most intensive level of ELL services are offered in the Newcomer Program at NKCHS. Students in the district who are new to the U.S. and receive a composite score of 2.5 (Entering to mid-Emerging) or below qualify for this program. In this program, students receive intensive instruction for five hours a day in English reading, writing, speaking and listening, provided by a certified ELL teacher and two paraprofessionals. Students are taught English through a variety of techniques including total physical response, memorization games, role-play, presentations by students, projects, discussions, cooperative learning groups, a computer language program, literary analysis, journal writing, reading circles, peer tutoring, writing rubrics, pre-writing graphics and other graphic organizers. Vocabulary from content areas also is addressed. These include mathematics, social studies, and science. Students also are helped with cultural adjustment to the American academic environment, a more culturally diverse setting and the American culture at large. This is done through introductions, tours, discussions of cultural differences, discussions about work and health in America, and encouraging the students to ask questions and ask for help. Also, clothing donations and school supply donations help students as they get settled in and adjusted to American culture.
**Sheltered Content Courses**

Sheltered Content courses are offered to students in core content areas at all four high schools after they complete the Newcomer Program, or if they enter the district at the Emerging to Developing levels of language proficiency (2.0-3.5). Math, social studies, science and Read 180 literacy courses are taught using “sheltering” techniques at NKCHS. In these courses, the regular curriculum is taught incorporating strategies which make the language and content more accessible to students. Various sheltered English Language Arts classes are offered at all four high schools which address the objectives of the general education ELA curriculum while taking into consideration the language development needs of the students through special attention to language functions and structures that may be problematic to ELLs.

**ELL Resource/Intervention Classrooms**

ELLs at Developing through Bridging levels of language proficiency are scheduled into an ELL Resource or Intervention class with the ELL teacher and/or paraprofessionals available to provide additional support for content area coursework.  
*For more information please contact Laura Lukens, ELL Program Coordinator, at 816-321-5590.*

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**Programs for Students with Disabilities**

It is the policy of the Board of Education of North Kansas City Schools to provide a free and appropriate education for students with disabilities, including those who are in need of special education and related services.

**Special Education Transition Planning**

Transition planning is an ongoing process — not a single event — that builds on itself each year. Transition planning is the basis for IEP development for all students served in special education in high school or who will turn 16 during the year that the current IEP is in effect. Transition planning involves the student, along with the parents and IEP team, working to develop plans for the future based upon age-appropriate transition assessment. This assessment provides the foundation for transition planning and IEP development. Students’ needs, preferences, and interests are investigated to determine appropriate, measurable goals for after graduation from high school, as well as services needed during high school, to assist the student to attain these post-school outcomes. Post-secondary goals evolve and change as the student gets older and gains new insights; therefore, the IEP will reflect these changes over time. Based upon the results of transition assessment, post-secondary goals are developed in the areas of education/training, employment, and independent living. In addition, needed transition services are addressed that will facilitate the attainment of the post-school goals.

North Kansas City Schools is committed to providing transition-related coursework that will provide students the opportunity to develop skills needed to live and work in the community. Courses are offered in the school setting as well as within the community. Descriptions of these courses are provided in this section.

*For more information please contact your student’s case manager, school counselor, building administrator, or the special education coordinator.*

**Individuals with Disabilities Education Act (IDEA)**

The district seeks to identify, evaluate, and provide free and appropriate educational services in the least restrictive environment to all qualified students with disabilities within the definitions of Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA). No qualified student with a disability shall, on the basis of disability, be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination under any district program, including nonacademic services and extracurricular activities.
Students with disabilities may be eligible for accommodation under this policy even though they are not eligible for services pursuant to the IDEA. The district will initiate a referral if a student requiring accommodation is also believed to be a student with a disability under the IDEA. Implementation of an IEP in accordance with the IDEA satisfies the district’s obligation to provide a free and appropriate education under Section 504.

For more information please contact your student’s case manager, school counselor, building administrator, or the special education coordinator.

**Special Services Courses**  
(for students with Individualized Education Plans – IEPs)

The prerequisites for the following classes are based upon the IEP team decision and/or off campus sites application and acceptance. See your case manager for more details.

**Social Skills**

Course ID: SPS139  
Credit: 1  
Grade Level: 9, 10, 11, 12  
Prerequisite: Enrollment based upon IEP team decision.

**Course Description:** This course provides instruction that helps the student generalize acceptable social skills into daily routines. A major goal of social skills training is to teach verbal and nonverbal behaviors involved in social interactions. The instruction includes interpersonal skills (e.g., make eye contact and practice turn taking during conversations, make “small talk” in social settings, read social cues, indicate interest in others, discuss variety of topics rather than just area of personal interest). Social Skills provides instruction and opportunities to practice social behaviors in a variety of settings to enable the student to read subtle social signals and to interact with others in socially appropriate ways to participate in school, family, and employment. *May be repeated for credit.*

**Functional Academic Skills**

Course ID: SPS134  
Credit: .5 - 2  
Grade Level: 9, 10, 11, 12  
Prerequisite: Enrollment based upon IEP team decision.

**Course Description:** Student with significant cognitive impairment require an education that goes beyond the basic subjects that state standards require. While academics, such as math and reading, are part of a functional curriculum for students with developmental disabilities, this type of alternative instruction also includes self-determination and self-advocacy, social-skills building, money-management education, independent living skills, and daily living skills. Functional academics are a practical focus on life skills that help the student to be a contributing member of society and to become as independent as possible. *May be repeated for credit.*

**Basic Literacy Skills**

Course ID: SPS217  
Credit: 1  
Grade Level: 9, 10, 11, 12  
Prerequisite: Enrollment based upon IEP team decision.

**Course Description:** This course is designed to provide explicit instruction in foundational skills needed in English Language Arts including phonemic awareness/phonics, encoding/morphology, decoding (word recognition), reading fluency, vocabulary, reading comprehension strategies for informational texts and literature, as well as grammar and writing. This course provides specially designed instruction on appropriate IEP goals as outlined in each students’ IEP. *May be repeated for credit.*
**Career/College Readiness Diploma** *(4 math units required)*

<table>
<thead>
<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intro to HS Math*</td>
<td>HS Pre-Algebra*</td>
<td>Algebra I**</td>
<td>Applied Math**</td>
</tr>
<tr>
<td>HS Pre-Algebra*</td>
<td>Algebra I**</td>
<td>Geometry**</td>
<td>Geometry**</td>
</tr>
</tbody>
</table>

* Only offered in special education setting
** Can be offered in special education setting OR general education setting
*** Only offered in general education setting

**Bolded** course indicates required state assessments will be given during that course

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**Intro to HS Mathematics**

Course ID: SPS153  
Credit: 1  
Grade Level: 9, 10  
Prerequisite: Enrollment based upon IEP team decision

**Course Description**: This class is designed for students identified from middle school who are currently receiving specifically designed instruction in mathematics. The course is designed to develop foundational skills needed for future high school mathematics courses such as Algebra. Topics covered will include the following: proportions and percents, equations and inequalities, translating verbal expressions, area and perimeter, and plotting points on a graph.

---

**High School Pre-Algebra**

Course ID: SPS159  
Credit: 1  
Grade Level: 9, 10, 11  
Prerequisite: Enrollment based upon IEP team decision

**Course Description**: This course begins with a review of core math concepts necessary for high school math courses including fractions, proportions, and number sense with an emphasis on integers. An understanding of patterns, relations, and functions is introduced in this course. Students will learn how to represent and analyze mathematical situations and structures using algebraic symbols and how to use mathematical models to represent and understand quantitative relationships. Students in this course will not take the Algebra I EOC. This course reviews key components of the general education Pre-Algebra curriculum and modifies the first units of the general education Algebra I curriculum. This course is taught by special education staff and is designed to provide specialized instruction on appropriate IEP goals as outlined in each student’s IEP.

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**Algebra I**

Course ID: SPS121  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: High School Pre-Algebra or similar Algebra course; Enrollment based upon IEP team decision

**Course Description**: This course is a continuation of topics from HS Pre-Algebra and provides an opportunity to more deeply explore problem solving involving the real number system. Students will use mathematical models to represent, analyze, and understand quantitative relationships present in mathematical situations. This course also includes the analysis of change in various contexts. There will be an emphasis on algebraic concepts with applications in algebra, statistics, and probability. Students in this course will take the Algebra I EOC. This course is taught by special education staff and modifies the general education Algebra I curriculum. This course is designed to provide specialized instruction on appropriate IEP goals as outlined in each student’s IEP.
Applied Mathematics
Course ID: SPS321 Credit: 1 Grade Level: 11, 12
Prerequisite: Algebra I & enrollment based upon IEP team decision

Course Description: Refinement and application of math skills to example careers and industries which students might encounter after they have graduated from high school. Topics may include: data gathering and analysis; measurement and conversion; budgeting and purchasing; communicating with numbers; construction math; electrical/pressure systems analysis and adjustment; transportation planning; statistical process control; and financial planning. This class may be especially helpful for those students planning careers in construction, quality control, manufacturing, electrical, HVAC, agriculture, or transportation. This course is taught by special education staff and is designed to provide specialized instruction on appropriate IEP goals as outline in each student’s IEP. This course will modify the curriculum of the general education Applied Mathematics course.

Community Access
Course ID: SPS155 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Enrollment based upon IEP team decision.

NOTE: North Kansas City Schools will provide transportation, or students will use the Metro or FLEX bus.

Course Description: Student participates in community-based activities to develop greater sense of independence and daily living skills to enhance the quality of life while transitioning from school to adult life. Community-based activities include accessing community resources, using public transportation, managing money, planning nutritious meals, shopping, cooking, cleaning and home-maintenance, bill paying, and working collaboratively. In order to provide the student with ample opportunity to practice skills in real-world environments, North Kansas City Schools provides a home in the community, the PRIDE House (Promoting Responsible Individuals through Daily living and Employment). This program is designed to provide instruction in functional and daily living skills through hands-on learning activities to help students acquire skills to live in the world today. May be repeated for credit.

Access Transitions
Course ID: SPS216 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Enrollment based upon IEP team decision.

NOTE: Students enrolled in Work Study may also be enrolled in Access Transitions.

Course Description: This course will help students set realistic post-secondary goals and develop a plan to achieve these goals. This course will provide a supportive environment for students to increase self-awareness and build appropriate social relationships, develop problem-solving skills, and prepare for life after high school. Topics will include: self-determination/self-advocacy, effective communication, career awareness and exploration, investigation of education/training options available after high school graduation, and steps to become a valued member of the community. May be repeated for credit.

Learning Strategies A, B, C, D
Course ID: A = SPS135 Credit: 1 Grade Level: 9, 10, 11, 12
B = SPS136
C = SPS137
D = SPS147
Prerequisite: Enrollment based upon IEP team decision

Course Description: Student participates in direct, explicit instruction to facilitate problem-solving and critical thinking skills. Student will learn strategies to develop study skills, goal-setting skills, test-preparation and test-taking skills, and organizational skills to enhance success in school. May be repeated for credit.
**Work Experience I**

Course ID: SPS116  
Credit: 1  
Grade Level: 9, 10, 11, 12  
Prerequisite: Enrollment based upon IEP team decision.

**NOTE:** North Kansas City Schools provides transportation and supervision at the PAES Lab.

**Course Description:** Work Experience I is the initial step in options for career exploration and employment training programs for students with disabilities. Student participates in campus-based, non-paid basic career/vocational skills work experiences provided at the PAES lab. PAES (Practical Assessment Exploration System) is a comprehensive curriculum that promotes work development skills through a dynamic curriculum that operates in a simulated, hands-on work environment. PAES provides career exploration as well as meaningful career information and knowledge of what a student can do and do well. *May be repeated for credit.*

**Work Experience II**

Course ID: SPS117  
Credit: 1  
Grade Level: 11, 12  
Prerequisite: Enrollment based on an application process from IEP case manager, intake interview with the Transition Facilitator and Work Experience Job Coach, and approval by the Transition Facilitator and/or Secondary Coordinator.

**NOTE:** North Kansas City Schools provides transportation and supervision at the work sites.

**Course Description:** Student participates in community-based, non-paid work experiences. North Kansas City Schools partners with local community businesses to provide real-life community work experiences to enhance the educational experience. NKC Schools provides community job sites, job coach to supervise small groups of students at work sites, transportation to and from job sites, and employability training.

Student will participate in meaningful career exploration, learn and practice positive work attitudes, behaviors, and skills, learn first-hand about employers' expectations, and experience a community “classroom” that offers real world rewards and consequences. Student will learn and practice self-advocacy and problem-solving skills. These community opportunities will assist the student to establish goals for the future and to prepare to transition from high school to adult life. *May be repeated for credit.*

**Work-Study**

Course ID: SPS304  
Credit: .5 per 150 work hours  
Grade Level: 11, 12  
Prerequisite: Student must obtain a job before enrolling in work-study and have a case opened with Vocational Rehabilitation. Student must also be enrolled in Access Transitions or another course that supports the employment goal. The Transition Facilitator will verify that these requirements are met.

**NOTE:** Student must provide own transportation. Student must turn in copies of paycheck stubs to verify the number of work-hours.

**Course Description:** Student participates in the Cooperative Work-Experience Program (COOP/Work Study) that is approved by the Missouri Department of Elementary and Secondary Education (DESE) to provide students the opportunity to earn credit(s) for participating in off campus, paid work experiences. Student is exposed to the work world with support provided by school personnel. Student's progress at work is monitored by ongoing follow-along to determine success on the job, accomplished by monthly meetings with the student, as well as site visits. Semester Employer Evaluations and Student Self-Evaluations are provided. *May be repeated for credit.*

**North Kansas City Hospital Academy**

Course ID: SPS302  
Credit: 1.5 per semester  
Grade Level: 11, 12  
Prerequisite: Student must complete application for program. When accepted, student must complete the compliance guidelines, immunization and TB test, and the health screen required by NKC Hospital.

**Course Description:** The NKC Hospital Academy is a yearlong vocational skills training program that is a partnership of NKC Schools and NKC Hospital. Students participate in this program to develop specific job skills as well as employability skills. Transportation is provided to and from school and hospital. *May be repeated for credit.*
**Project SEARCH**

**Course ID:** SPS744  
**Credit:** 4 per semester  
**Grade Level:** 5th year seniors with developmental disabilities

**Prerequisite:** Student must have case opened with Vocational Rehabilitation Services (VR) and applied to Kansas City Regional Office (KCRO). **Student must complete application for program.** Upon acceptance, student must complete the compliance guidelines, immunizations, TB test, drug screen, and the health screen required by Children’s Mercy Hospital and Truman Medical Center.

**NOTE:** North Kansas City Schools provides transportation and instructor at the host-site businesses.

**Course Description:** During final year in high school, student participates in this one-school year program with total immersion in the workplace at Children’s Mercy Hospital and Truman Medical Center. During three ten-week, nonpaid internships that facilitate the acquisition of marketable, transferable work skills, the student will gain employability skills (e.g., effective communication, problem solving, leadership, self-advocacy, and appropriate social skills). The ultimate goal upon completion of Project SEARCH is paid employment within the greater Kansas City community. Project SEARCH is a partnership with NKC Schools, Children’s Mercy Hospital, Truman Medical Center, Vocational Rehabilitation Services, Goodwill, and Center for Human Services.

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**Preparing for Secondary Choices**

**A+ Schools Program**

**Student Eligibility**

To be eligible for the financial incentives of the A+ Schools Program, a student must have:

- Completed and signed an A+ Schools Program Agreement and turned it into the A+ office.
- Attended an A+ designated school at least two years prior to high school graduation.
- Graduated with a grade point average of 2.5 on a 4.0 scale.
- Maintained a record of good citizenship; and avoidance of the unlawful use of drugs and/or alcohol while in grades 9-12.
- Performed at least 50 hours of unpaid academic tutoring or mentoring, connected to North Kansas City Schools, and supervised by a district employee.
- Have achieved a score of proficient or advanced on the Algebra I end of course exam.
  - If you meet all of the eligibility requirements except the end of course exam requirement, you may establish eligibility by achieving a specified combined ACT math subscore and high school GPA. Please see your building A+ coordinator for more information.

**Student Benefits**

The A+ Program may provide these educational incentives subject to state funding approval.

- Tuition, general fees* subject to legislative appropriation paid for by the state to any of Missouri’s public community colleges or public career or technical schools.**
- Incentives will be made available after the student has made a good faith effort to first secure all available federal post-secondary student financial assistance funds that do not require repayment. Parents must complete and send in the Free Application for Federal Student Aid (FAFSA). Parental income is **NOT** criteria for A+ student incentive reimbursement. Failure to complete the FAFSA will result in denial of A+ benefits.

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**A+ Coordinators**

<table>
<thead>
<tr>
<th>School</th>
<th>Name</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>NKCHS</td>
<td>Ashley Smith</td>
<td>(816) 321-4108</td>
</tr>
<tr>
<td>OPHS</td>
<td>Mike Dial</td>
<td>(816) 321-4474</td>
</tr>
<tr>
<td>SHS</td>
<td>Kevin Kooi</td>
<td>(816) 321-5709</td>
</tr>
<tr>
<td>WHS</td>
<td>Jared Barge</td>
<td>(816) 321-4093</td>
</tr>
</tbody>
</table>
Students may receive this incentive for a maximum of six semesters, must be enrolled as a FULL-TIME student, and maintain a grade point average of 2.5 or higher on a 4.0 scale at the institution. Students are eligible to use the incentive for UP TO FOUR years after high school graduation.

All funds for the A+ Schools Program are subject to yearly State budgetary appropriations. In accordance with Missouri State guidelines, a school district may have a process to review an appeal by a student to meet the A+ School Program guidelines. North Kansas City Schools provides such a process for students to submit a request for an appeal.

*Fees are limited to general fees all students are required to pay.
**Funds become available the semester following the student’s graduation.

**ACT and SAT**
North Kansas City Schools will provide an opportunity for juniors to take the ACT free of charge. This will occur during a school day in the spring semester at all four high schools. Students may elect to take the ACT on a regularly scheduled national test date as well.

The ACT, SAT I, and SAT II tests are administered on a limited number of national test dates during the year. The deadline to register for one of these tests is approximately one month prior to the test date. Enroll using the following websites: [www.ACTstudent.org](http://www.ACTstudent.org) or [www.collegeboard.com](http://www.collegeboard.com).

**College Admission Tests**
ACT research shows students who complete the following core curriculum consistently score higher on the ACT than those students who do not take the core curriculum:

- 4 English Language Arts credits
- 4 Math credits (Algebra I & above)
- 3 Science credits (Lab Sciences)
- 3 Social Studies/History credits

It is also highly recommended to take the ACT Prep College Transitions course or attend another ACT test Prep training prior to testing.

ACT is a registered trademark of ACT, Inc., which were not involved in the production of, and do not endorse, this product. PSAT is a registered trademark of the College Board and National Merit Scholarship Corporation, which were not involved in the production of, and do not endorse, this product. AP, SAT Subject Tests, and CLEP are registered trademark of the College Board and National Merit Scholarship Corporation, which were not involved in the production of, and do not endorse, this product.
ONE OPPORTUNITY.  
LIMITLESS POSSIBILITIES.

If you want to play sports at an NCAA Division I or II school, start by registering for a Certification Account with the NCAA Eligibility Center at eligibilitycenter.org. If you want to play Division III sports or you aren’t sure where you want to compete, start by creating a Profile Page at eligibilitycenter.org.

ACADEMIC REQUIREMENTS
To play sports at a Division I or II school, you must graduate from high school, complete 16 NCAA-approved core courses, earn a minimum GPA and earn an ACT or SAT score that matches your core-course GPA.

CORE COURSES
Only courses that appear on your high school's list of NCAA core courses will count toward the 16 core-course requirement; visit eligibilitycenter.org/courseList for a full list of your high school's approved core courses. Complete 16 core courses in the following areas:

DIVISION I
Complete 10 NCAA core courses, including seven in English, math or natural/physical science, before your seventh semester.

<table>
<thead>
<tr>
<th>COURSE</th>
<th>REQUIRED YEARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLISH</td>
<td>4 years</td>
</tr>
<tr>
<td>MATH (Algebra I or higher)</td>
<td>3 years</td>
</tr>
<tr>
<td>NATURAL/PHYSICAL SCIENCE (Including one year of lab, if allowed)</td>
<td>2 years</td>
</tr>
<tr>
<td>ADDITIONAL (English, math or natural/physical science)</td>
<td>1 year</td>
</tr>
<tr>
<td>SOCIAL SCIENCE</td>
<td>2 years</td>
</tr>
<tr>
<td>ADDITIONAL COURSES</td>
<td>4 years</td>
</tr>
</tbody>
</table>

DIVISION II

<table>
<thead>
<tr>
<th>COURSE</th>
<th>REQUIRED YEARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLISH</td>
<td>3 years</td>
</tr>
<tr>
<td>MATH (Algebra I or higher)</td>
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</tr>
<tr>
<td>NATURAL/PHYSICAL SCIENCE (Including one year of lab, if allowed)</td>
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</tr>
<tr>
<td>ADDITIONAL (English, math or natural/physical science)</td>
<td>3 years</td>
</tr>
<tr>
<td>SOCIAL SCIENCE</td>
<td>2 years</td>
</tr>
<tr>
<td>ADDITIONAL COURSES</td>
<td>4 years</td>
</tr>
</tbody>
</table>

GRADE-POINT AVERAGE
The NCAA Eligibility Center calculates your grade-point average based only on the grades you earn in NCAA-approved core courses.

- DI requires a minimum 2.3 GPA.
- DII requires a minimum 2.2 GPA.

TEST SCORES
You may take the SAT or ACT an unlimited number of times before you enroll full time in college. Every time you register for the SAT or ACT, use the NCAA Eligibility Center code 9999 to send your scores directly to us from the testing agency. We accept official scores only from the ACT or SAT, and won’t use scores shown on your high school transcript if you take either test more than once, the best subscore from different tests is used to give you the best possible score.

SLIDING SCALE
Divisions I and II use sliding scales to match test scores and GPAs to determine eligibility. The sliding scale balances your test score with your GPA. If you have a low test score, you need a higher GPA to be eligible. Find more information about test scores at ncaa.org/test-scores.
# High School Timeline

## 9th Grade
- **Plan**
  - Start planning now!
  - Take the right courses and earn the best grades possible.
  - Find your high school’s list of NCAA-approved core courses at [eligibilitycenter.org/counselist](http://eligibilitycenter.org/counselist).
  - Sign up for a free Profile Page at [eligibilitycenter.org](http://eligibilitycenter.org) for information on NCAA requirements.

## 10th Grade
- **Register**
  - If you fall behind academically, ask your counselor for help finding approved courses you can take.
  - Register for a Profile Page or Certification Account with the NCAA Eligibility Center at [eligibilitycenter.org](http://eligibilitycenter.org).
  - Monitor your Eligibility Center account for next steps.
  - At the end of the year, ask your counselor at each high school or program you attended to upload your official transcript to your NCAA Eligibility Center account.

## 11th Grade
- **Study**
  - Check with your counselor to make sure you are on track to complete the required number of NCAA-approved courses and graduate on time with your class.
  - Take the ACT or SAT and submit your scores to the NCAA Eligibility Center using code 9999.
  - Ensure your sports participation information is correct in your Eligibility Center account.
  - At the end of the year, ask your counselor at each high school or program you attended to upload your official transcript to your NCAA Eligibility Center account.

## 12th Grade
- **Graduate**
  - Complete your final NCAA-approved core courses as you prepare for graduation.
  - Take the ACT or SAT again, if necessary, and submit your scores to the NCAA Eligibility Center using code 9999.
  - Request your final amateurism certification beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your NCAA Eligibility Center account at [eligibilitycenter.org](http://eligibilitycenter.org).
  - After you graduate, ask your counselor to upload your final official transcript with proof of graduation to your NCAA Eligibility Center account.
  - Reminder: Only students on an NCAA Division I or II school’s institutional request list will receive a certification.

## How to plan your high school courses to meet the 16 core-course requirement:

### 9th Grade
1. English
2. Math
3. Science
4. Social Science and/or additional

**4 Core Courses**

### 10th Grade
1. English
2. Math
3. Science
4. Social Science and/or additional

**4 Core Courses**

### 11th Grade
1. English
2. Math
3. Science
4. Social Science and/or additional

**4 Core Courses**

### 12th Grade
1. English
2. Math
3. Science
4. Social Science and/or additional

**4 Core Courses**

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For more information: [ncaa.org/playcollegesports](http://ncaa.org/playcollegesports) | [eligibilitycenter.org](http://eligibilitycenter.org)

Search Frequently Asked Questions: [ncaa.org/studentfaq](http://ncaa.org/studentfaq)

Follow us: [Twitter](https://twitter.com/NCAAECC) | [Instagram](https://www.instagram.com/playcollegesports) | [Facebook](https://www.facebook.com/ncasec)

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North Kansas City Schools 32 2020-21 CPEG

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DIVISION I ACADEMIC REQUIREMENTS

Colleges-bound student-athletes enrolling at an NCAA Division I school must meet the following academic requirements to practice, compete and receive an athletics scholarship in their first year of full-time enrollment.

Core-Course Requirement
Complete 16 core courses in the following areas:

<table>
<thead>
<tr>
<th>ENGLISH</th>
<th>MATH (Algebra I or higher)</th>
<th>NATURAL/PHYSICAL SCIENCE (Including one year of lab, if offered)</th>
<th>ADDITIONAL (English, math or natural/physical science)</th>
<th>SOCIAL SCIENCE</th>
<th>ADDITIONAL COURSES (Any area listed to the left, foreign language or comparative religion/philosophy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 years</td>
<td>3 years</td>
<td>2 years</td>
<td>1 year</td>
<td>2 years</td>
<td>4 years</td>
</tr>
</tbody>
</table>

**FULL QUALIFIER**
- Complete 16 core courses.
  - Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school.
  - Seven of the 10 core courses must be in English, math or natural/physical science.
  - Earn a core-course GPA of at least 2.000.
  - Earn an SAT combined score or ACT sum score matching the core-course GPA on the Division I sliding scale (see back page).
  - Graduate high school.

**ACADEMIC REDSHIRT**
- Complete 16 core courses.
  - Earn a core-course GPA of at least 2.000.
  - Earn an SAT combined score or ACT sum score matching the core-course GPA on the Division I sliding scale (see back page).
  - Graduate high school.

Full Qualifier
College-bound student-athletes may practice, compete and receive an athletics scholarship during their first year of full-time enrollment at an NCAA Division I school.

Academic Redshirt
College-bound student-athletes may receive an athletics scholarship during their first year of full-time enrollment and may practice during their first regular academic term, but may NOT compete during their first year of enrollment.

NonQualifier
College-bound student-athletes will not be able to practice, compete or receive an athletics scholarship during their first year of full-time enrollment at an NCAA Division I school.

International Students
Please review the international initial-eligibility flyer for information and academic requirements specific to international student-athletes.

Click here for Division II academic requirements.
Test Scores

If a student plans to attend an NCAA Division I college or university in the 2019-20 or 2020-21 academic years, use the following charts to understand the core-course GPA he or she will need to meet NCAA Division I requirements.

A combined SAT score is calculated by adding critical reading and math subscores. An ACT sum score is calculated by adding English, math, reading and science subscores. A student may take the SAT or ACT an unlimited number of times before he or she enrolls full time in college. If a student takes either test more than once, the best subscores from each test are used for the academic certification process.

When a student registers for the SAT or ACT, he or she can use the NCAA Eligibility Center code of 9999 to send their scores directly to the NCAA Eligibility Center from the testing agency. Test scores on transcripts CANNOT be used in an academic certification.

### Division I Full Qualifier Sliding Scale

<table>
<thead>
<tr>
<th>Core GPA</th>
<th>SAT*</th>
<th>ACT Sum*</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.550</td>
<td>400</td>
<td>37</td>
</tr>
<tr>
<td>3.525</td>
<td>410</td>
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<td>3.500</td>
<td>430</td>
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<tr>
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<tr>
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### Division I Full Qualifier Sliding Scale

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*Final concordance research between the new SAT and ACT is ongoing.

NCAA is a trademark of the National Collegiate Athletic Association.

September 2019
DIVISION II ACADEMIC REQUIREMENTS

College-bound student-athletes enrolling at an NCAA Division II school need to meet the following academic requirements to practice, compete and receive an athletics scholarship in their first year of full-time enrollment.

Core-Course Requirement
Complete 16 core courses in the following areas:

<table>
<thead>
<tr>
<th>ENGLISH</th>
<th>MATH (Algebra I or higher)</th>
<th>NATURAL/PHYSICAL SCIENCE (Including one year of lab, 2 allowed)</th>
<th>ADDITIONAL (English, math or natural/physical science)</th>
<th>SOCIAL SCIENCE</th>
<th>ADDITIONAL COURSES (Any area listed to the left, foreign language or comparative religion/philosophy)</th>
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FULL QUALIFIER
- Complete 16 core courses.
- Earn a core-course GPA of at least 2.000.
- Earn an SAT combined score or ACT sum score matching the core-course GPA on the Division II full qualifier sliding scale (see back page).
- Graduate high school.

PARTIAL QUALIFIER
- Complete 16 core courses.
- Earn a core-course GPA of at least 2.000.
- Earn an SAT combined score or ACT sum score matching the core-course GPA on the Division II partial qualifier sliding scale (see back page).
- Graduate high school.

---

Full Qualifier
College-bound student-athletes may practice, compete and receive an athletics scholarship during their first year of full-time enrollment at an NCAA Division II school.

Partial Qualifier
College-bound student-athletes may receive an athletics scholarship during their first year of enrollment and may practice during their first year of full-time enrollment at a Division II school, but may NOT compete.

Nonqualifier
College-bound student-athletes will not be able to practice, compete or receive an athletics scholarship during their first year of full-time enrollment at an NCAA Division II school.

International Students
Please review the international initial-eligibility flyer for information and academic requirements specific to international student-athletes.

Click here for Division I academic requirements.
### DIVISION II
**FULL QUALIFIER SLIDING SCALE**

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*Final concordance research between the new SAT and ACT is ongoing.***

### DIVISION II
**PARTIAL QUALIFIER SLIDING SCALE**

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**Test Scores**

If a student plans to attend an NCAA Division II college or university in the 2019-20 or 2020-21 academic years, use the following charts to understand the core-course GPA he or she will need to meet NCAA Division II requirements.

A combined SAT score is calculated by adding critical reading and math subscores. An ACT sum score is calculated by adding English, math, reading and science subscores. A student may take the SAT or ACT an unlimited number of times before he or she enrolls full time in college. If a student takes either test more than once, the best subscores from each test are used for the academic certification process.

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September 2019
Enrollment

Enrollment Process
- Students complete their Individual Career and Academic Plan (ICAP) with their advisor/counselor.
- Students may use career assessments, exploration, and planning for post-secondary education.
- Students meet with counselors to complete their course selections.

Schedule Changes
Every attempt is made to offer courses to students as requested by students at pre-enrollment. If conflicts develop, the student’s alternative courses from their Course Enrollment – Individual Career and Academic Plan (ICAP) may be used.

Adding Classes
Students may only add a new class during the first two weeks of the semester. A student may not transfer into the second semester of a full credit subject unless he or she has completed the first semester of the subject. Passing semester 1 is optional.

Dropping Classes
Dropping courses may jeopardize eligibility, progress towards graduation and post-secondary options. Courses dropped after the tenth week from the start of the semester may be recorded as an F. Appeals may be made to the building principal. Students who select full credit courses are expected to remain in the class for the full year. Students may not drop required or core classes and must maintain a full schedule of classes. In many cases, this will mean that drop requests cannot be accommodated.

The ONLY reasons to drop are:
- To meet a graduation requirement
- To correct an administrative error
- If the student does not meet the pre-requisite for the class

Choosing the right classes in high school has a big impact on a student’s preparation for life after high school.
# Counselors and Gifted Resource Specialists

## High School Counselor Assignments

<table>
<thead>
<tr>
<th>School</th>
<th>Counselors/Registrars</th>
<th>Phone</th>
<th>Responsibility</th>
<th>Email</th>
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<tbody>
<tr>
<td>North Kansas City</td>
<td>Maria Deister, Chair</td>
<td>321-4461</td>
<td>Last names N-Z</td>
<td><a href="mailto:maria.deister@nkcschools.org">maria.deister@nkcschools.org</a></td>
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<tr>
<td></td>
<td>Amanda Olvera</td>
<td>321-3782</td>
<td>Last names E-M</td>
<td><a href="mailto:amanda.olvera@nkcschools.org">amanda.olvera@nkcschools.org</a></td>
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<td></td>
<td>Shelli Copas</td>
<td>321-6887</td>
<td>Last names A-D, ELL</td>
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<tr>
<td></td>
<td>Michelle Washington</td>
<td>321-5791</td>
<td>Pre-IB, IBDP and IBCP</td>
<td><a href="mailto:michelle.washington@nkcschools.org">michelle.washington@nkcschools.org</a></td>
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<td></td>
<td>Tara Hamilton</td>
<td>321-4974</td>
<td>Assistant</td>
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<td>Kathie Deleve</td>
<td>321-4462</td>
<td>Registrar</td>
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<td>321-4101</td>
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<td>Kelley Lewis</td>
<td>321-5335</td>
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<td><a href="mailto:kelley.lewis@nkcschools.org">kelley.lewis@nkcschools.org</a></td>
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<tr>
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<td>Jennifer Long</td>
<td>321-5570</td>
<td>Registrar</td>
<td><a href="mailto:jennifer.long@nkcschools.org">jennifer.long@nkcschools.org</a></td>
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<tr>
<td>Winnetonka</td>
<td>Jennifer Ford, Chair</td>
<td>321-4852</td>
<td>Graduating class of 2022</td>
<td><a href="mailto:jennifer.ford@nkcschools.org">jennifer.ford@nkcschools.org</a></td>
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<td>Alicia Hollis</td>
<td>321-6912</td>
<td>Graduating class of 2024</td>
<td><a href="mailto:alicia.hollis@nkcschools.org">alicia.hollis@nkcschools.org</a></td>
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<td>321-6575</td>
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<td>321-6681</td>
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<td>321-6450</td>
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<td>Tabatha Wano</td>
<td>321-6365</td>
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## Gifted Resource Specialist Assignments

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<tr>
<td>NKCHS</td>
<td>Marcus Myers</td>
<td>321-5794</td>
<td>Gifted</td>
<td><a href="mailto:marcus.myers@nkcschools.org">marcus.myers@nkcschools.org</a></td>
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<tr>
<td>OPHS</td>
<td>Lori Dameron</td>
<td>321-4432</td>
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<td><a href="mailto:lori.dameron@nkcschools.org">lori.dameron@nkcschools.org</a></td>
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<td>SHS</td>
<td>Carol Toney</td>
<td>321-6302</td>
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<tr>
<td>WHS</td>
<td>Carrie Marcantonio</td>
<td>321-5621</td>
<td>Gifted</td>
<td><a href="mailto:carrie.marcantonio@nkcschools.org">carrie.marcantonio@nkcschools.org</a></td>
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</table>
9th Grade Courses

**English Language Arts (p.45)**
ELA I Lit & Comp
Honors ELA I Lit & Comp

**English Language Arts Electives (p.45)**
Debate I
Journalism 1
Speech Communication

**Mathematics (p.51)**
Algebra I
Algebra II
Geometry
Honors Algebra II
Honors Geometry

**Science (p.55)**
Biology
Chemistry
Coll Principles of Biomed Science – PLTW
Honors Biology
Honors Chemistry
Honors Physics

**Social Studies (p.60)**
AP Human Geography
Honors World History
World History

**Global Language (p.64)**
French I
French II
German I
German II
Spanish I
Spanish II
Spanish for Heritage Speakers

**Fine Arts (p.67)**
Art I
Visual Art Photography
Chamber Orchestra
Concert Band
Music Appreciation
Symphonic Band
Symphonic Orchestra
Bass Choir
Mixed Choir
Treble Choir
Competitive Drama
Theater I

**Physical Education (p.74)**
Adaptive Physical Education
Aerobics
Health *(MO Grad Req)*
Lifetime Activities
Physical Education
Strength & Conditioning I
Strength & Conditioning II

**General Electives (p.90)**
AVID 9
Marching Auxiliary

**Practical Arts (p.75)**
Business Law
AP Coll Comp Science Principles – PLTW
Coll Computer Science Essentials – PLTW
Computer Applications
Foods for Life
Fashion & Interiors
Child Development I
Child Development Learning Center I
Journalism 1
Journalism 1 Broadcast
Journalism 1 Photography
Home Maintenance & Repair
Woodworking I

College Civil Engineering & Architecture – PLTW
College Intro to Engineering Design – PLTW
College Principles of Engineering – PLTW

= available in Launch (online learning)
10th Grade Courses

English Language Arts (p.45)
ELA II Lit & Comp
Honors ELA II Lit & Comp

English Language Arts Electives (p.45)
Advanced Debate
Debate I
Journalism I
Literacy Methods
Speech Communication

Mathematics (p.51)
Algebra I
Algebra II
AP Statistics
College Algebra
College Calculus I/AP Calculus A/B
College Calculus II/AP Calculus B/C
College PreCalculus
Geometry
Honors Algebra II
Honors Geometry
Honors PreCalculus
Intermediate Algebra
Statistics
Transition to College Algebra

Science (p.55)
Biology
Chemistry
Coll Human Body Systems – PLTW
College Physics
College Principles of Biomedical Science – PLTW
Honors Biology
Honors Chemistry
Honors Physics
Human Anatomy & Physiology
Physics

Social Studies (p.60)
AP Human Geography
AP Psychology
AP United States History
AP World History: Modern
College World History
Honors US History
College US History
Military History
Psychology
US History

Global Language (p.64)
French I
French II
College French III
German I
German II
German III
College German III
Spanish I
Spanish II
College Spanish III
Spanish for Heritage Speakers

Fine Arts (p.67)
Advanced Visual Art Photography
AP Art History
Art I
Clay & Sculpture: 3D Medias
Drawing, Painting, & Printmaking: 2D Medias
Graphic Design
Visual Art Photography

Chamber Orchestra
Concert Band
Jazz Band
Music Appreciation
Music Theory
Symphonic Band
Symphonic Orchestra

A Cappella Choir
Bass Choir
Chamber/Show/Jazz Choir
Mixed Choir
Treble Choir
Varsity Treble Choir

Advanced Competitive Drama
Competitive Drama
Theater I
Theater II

Physical Education (p.74)
Adaptive Physical Education Aerobics
Health (MO Grad Req)
Lifetime Activities
Physical Education
Strength & Conditioning I
Strength & Conditioning II
Team Sports

General Electives (p.90)
Personal Finance (MO Grad Req)
ACT Prep & College Transitions
AVID 10
College Introduction to Teaching
Marching Auxiliary
Peer Mentor
Stagecraft

Practical Arts (p.75)
Accounting I
Business Law
Marketing Principles

College Computer Science A–PLTW
AP Coll Comp Science Principles–PLTW
Coll Comp Science Essentials – PLTW
Computer Applications

Foods for Life
International Foods
ProStart Foods Level I

Interior Design
Advanced Fashion Design & Construction
Coll Advanced Design & Construction
Fashion & Interiors

Child Development I
Child Development II
Child Development Learning Center I
Child Development Learning Center II

College Intro to Teaching
Self-Development I
Self-Development II

Journalism I
Journalism 1 Broadcast
Journalism 1 Photography
Journalism 2 Broadcast
Journalism 2 Multi-Media
Journalism 2 Yearbook
Journalism 2 Sports Broadcasting
Journalism 3 Digital Laboratory

Home Maintenance & Repair
Woodworking I
Woodworking II

College Intro to Eng Design – PLTW
College Principles of Engineering – PLTW
College Digital Electronics – PLTW
College Civil Engineering & Architecture – PLTW

Students must pass the MCEI (Missouri Civics Education Initiative) Exam as a requirement for graduation. This test is given through the Social Studies Department.
# 11th Grade Courses

## English Language Arts (p.45)
- American Lit & Comp
- AP English Lang & Comp
- AP English Lit & Comp
- British Lit & Comp
- College English
- Honors Comp & Lit
- Multicultural Lit & Comp

## English Language Arts Elective (p.45)
- Advanced Debate
- AP Research
- College Fundamentals of Effective Speaking & Listening
- Creative Writing
- Debate I
- Fundamentals of Effective Speaking & Listening
- Journalism I
- Literacy Methods
- Mythology & Classical Lit & Comp
- Short Story
- Speech Communication

## Mathematics (p.51)
- Algebra I
- Algebra II
- AP Statistics
- Applied Mathematics
- College Algebra
- College Calculus I/AP Calculus A/B
- College Calculus II/AP Calculus B/C
- College PreCalculus
- Geometry
- Honors Algebra II
- Honors Geometry
- Honors PreCalculus
- Intermediate Algebra
- Statistics
- Transition to College Algebra

## Social Studies (p.60)
- American Citizenship
- AP Comparative Gov't & Politics
- AP Government Politics US
- AP Human Geography
- AP Psychology
- AP US History
- College US History
- AP World History: Modern
- College World History
- College US Government
- Military History
- Psychology
- Sociology

## Science (p.55)
- AP Biology
- AP Chemistry
- AP Physics 1
- AP Physics 2
- Biology
- Chemistry
- College Biology
- Coll Chemistry/Honors Chemistry II
- Coll Human Body Systems – PLTW
- Coll Medical Interventions – PLTW
- College Physics
- Coll Principles of Biomedical Science – PLTW
- Honors Biology
- Honors Chemistry
- Honors Physics
- Human Anatomy & Physiology

## Global Language (p.64)
- French I
- French II
- College French III
- College French IV
- German I
- German II
- German III
- German IV
- College German III
- College German IV
- Spanish I
- Spanish II
- College Spanish III
- College Spanish IV
- Spanish for Heritage Speakers

## Physical Education (p.74)
- Adaptive Physical Education
- Aerobics
- Health *(MO Grad Req)*
- Lifetime Activities
- Strength & Conditioning I
- Strength & Conditioning II
- Team Sports

## Fine Arts (p.67)
- Advanced Visual Art Photography
- AP Art and Design
- AP Art History
- Art I
- Clay & Sculpture: 3D Media
- Drawing, Painting, & Printmaking: 2D Media
- Graphic Design
- Visual Art Photography
- AP Music Theory
- Chamber Orchestra
- Concert Band
- Jazz Band
- Music Appreciation
- Music Theory
- Symphonic Band
- Symphonic Orchestra
- A Cappella Choir
- Bass Choir
- Chamber/Show/Jazz Choir
- Mixed Choir
- Treble Choir
- Varsity Treble Choir
- Advanced Competitive Drama
- Competitive Drama
- Theater I
- Theater II
- Theater III
- College Theater: Foundations of Fine Arts
- Theater Special Projects

## General Electives (p.90)
- ACT Prep & College Transitions
- Adaptive Physical Education Assistant
- AP Research
- AP Seminar
- AVID 11
- College Introduction to Teaching Leadership
- Marching Auxiliary
- Peer Mentor
- Personal Finance *(MO Grad Req)*
- Stagecraft

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**11th Grade Courses (continued)**

**Practical Arts (p.75)**
- Accounting I
- Accounting II
- Business Law
- Business Management
- AP Coll Comp Science A – PLTW
- AP Coll Comp Science Principles – PLTW
- College Comp Science Essentials – PLTW
- Computer Applications
- Computer Programming Capstone
- College Marketing
- Entrepreneurship
- Marketing Advanced
- Marketing Internship (off campus)
- Marketing Principles
- Sports Marketing (off campus)
- Foods for Life
- International Foods
- ProStart Foods Level I
- ProStart Foods Level II
- Interior Design
- Advanced Fashion Design & Const
- Apparel Construction
- College Adv Fashion Design & Const
- Fashion & Interiors
- Fashion/Interior Design & Merch

**Practical Arts (continued)**
- Child Development I
- Child Development II
- Child Dev Learning Center I
- Child Dev Learning Center II
- College Intro to Teaching FACS Internship (off campus)
- Interpersonal Relationships Self-Development I
- Self-Development II
- Journalism 1
- Journalism 1 Photography
- Journalism 1 Broadcast
- Journalism 2 Multi-Media
- Journalism 2 Yearbook
- Journalism 2 Broadcast
- Journalism 2 Sports Broadcasting
- Journalism 3 Digital Laboratory
- Home Maintenance & Repair
- Woodworking I
- Woodworking II
- Woodworking III
- College Civil Engineering & Architecture – PLTW
- College Digital Electronics – PLTW
- College Intro Engineering Design – PLTW
- College Principles of Engineering – PLTW

**CTEC (p.93)**
- (off campus)
- Automotive Technology I

**Business & Technology Center (p.95)**
- (off campus)
- Coll Automation of Industrial Mach I
- Coll Computer Integrated Machining & Manufacturing I
- College CSIS-CISCO I
- College Engineering Technology I
- College Heating, Ventilation & Air-Conditioning I
- College Welding

**Northland CAPS (p.99)**
- (off campus)
- Digital Media & Design
- Engineering and Advanced Manufacturing
- Global Business and Logistics
- Medicine and Healthcare
- Technology Solutions

**Northland Career Center (p.101)**
- (off campus)
- Agricultural Sciences – Plant Systems
- Aviation Technology I
- Construction Technology I
- Culinary Arts I
- Diesel Technology I
- Health Sciences I
- Heating, Cooling & Climate Control I
- Industrial Welding I
- IT Professionals I
- Law Enforcement/CSI I
- Production Technologies I
- Teaching Professions I

= available in Launch (online learning)

**Students must pass the U.S./MO Constitution Test as a requirement for graduation. This test is given through the Social Studies Department.**
12th Grade Courses

**English Language Arts (p.45)**
- American Lit & Comp
- AP English Lang & Comp
- AP English Lit & Comp
- British Lit & Comp
- College English
- Honors Comp & Lit
- Multicultural Lit & Comp

**English Language Arts Electives (p.45)**
- Advanced Debate
- AP Research
- Argumentation & Debate III/IV
- Coll Argumentation & Debate III/IV
- College Fundamentals of Effective Speaking & Listening
- Creative Writing
- Debate I
- Fundamentals of Effective Speaking & Listening
- Journalism I
- Literacy Methods
- Mythology & Classical Lit & Comp
- Short Story
- Speech Communication

**Mathematics (p.51)**
- Algebra I
- Algebra II
- AP Statistics
- Applied Mathematics
- College Algebra
- College Calculus I/AP Calculus A/B
- College Calculus II/AP Calculus B/C
- College PreCalculus
- Geometry
- Honors Algebra II
- Honors Geometry
- Honors PreCalculus
- Intermediate Algebra
- Statistics
- Transition to College Algebra

**Social Studies (continued)**
- Psychology
- Sociology

**Science (p.55)**
- AP Biology
- AP Chemistry
- AP Physics 1
- AP Physics 2
- Biology
- Chemistry
- College Biology
- Coll Biomedical Innovations – PLTW
- College Chemistry/Honors Chem II
- Coll Human Body Systems – PLTW
- Coll Medical Interventions – PLTW
- College Physics
- Coll Principles of Biomedical Science – PLTW
- Honors Biology
- Honors Chemistry
- Honors Physics
- Human Anatomy & Physiology
- Physics

**Global Language (p.64)**
- French I
- French II
- College French III
- College French IV
- College French V
- German I
- German II
- German III
- German IV
- German V
- College German III
- College German IV
- College German V
- Spanish I
- Spanish II
- College Spanish III
- College Spanish IV
- College Spanish V
- Spanish for Heritage Speakers

**Fine Arts (p.67)**
- Advanced Visual Art Photography
- AP Art and Design
- AP Art History
- Art I
- Clay & Sculpture: 3D Media
- Drawing, Painting, & Printmaking: 2D Media
- Graphic Design
- Visual Art Photography

**Mathematics (p.55)**
- AP Music Theory
- Chamber Orchestra
- Concert Band
- Jazz Band
- Music Appreciation
- Music Theory
- Symphonic Band
- Symphonic Orchestra
- A Cappella Choir
- Bass Choir
- Chamber/Show/Jazz Choir
- Mixed Choir
- Treble Choir
- Varsity Treble Choir
- Advanced Competitive Drama
- Competitive Drama
- Theater I
- Theater II
- Theater III
- Theater IV
- College Theater: Foundations of Fine Arts
- Theater Special Projects

**General Electives (p.90)**
- ACT Prep & College Transitions
- AVID 12
- Adaptive Physical Education Assistant
- AP Research
- AP Seminar
- College Introduction to Teaching Leadership
- Marching Auxiliary
- Peer Mentor
- Personal Finance (MO Grad Req)
- Stagecraft

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North Kansas City Schools

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= available in Launch (online learning)
# English Language Arts

## Career/College Readiness Diploma (4 units required)

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<td>British Literature &amp; Composition</td>
<td>Honors Literature &amp; Comp</td>
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<td>Multicultural Literature &amp; Composition</td>
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## Gold Medallion Diploma (4 units required)

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<td>AP Language &amp; Composition</td>
<td>AP Language &amp; Composition</td>
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<td>Honors ELA II</td>
<td>AP Literature &amp; Composition</td>
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<td>Honors Literature &amp; Composition</td>
<td>AP Research</td>
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### English Language Arts I Literature & Composition

- **Course ID:** ELA100
- **Credit:** 1
- **Grade Level:** 9
- **Prerequisite:** None

**Course Description:** This course emphasizes reading, writing, speaking, listening, technology, and research skills. Reading informational text/nonfiction includes multicultural literature selections including short stories, plays, novels, poetry, and biographies. Course content would include literary analysis, writing compositions (include argumentative, expositive/informative, and narrative), and research essays.

### Honors English Language Arts I Literature & Composition

- **Course ID:** ELA106
- **Credit:** 1
- **Grade Level:** 9
- **Prerequisite:** None

**Course Description:** This course emphasizes reading, writing, speaking, listening, technology, and research skills within a more challenging curriculum for freshmen. The course incorporates higher level thinking skills in written and oral communications and involves intense study on the writing process and literary analysis. In addition, this course will help prepare students for Advanced Placement or College English courses. This is a rigorous literary/writing course and requires independent work that will be completed outside of class.
Journalism 1

Course ID: MED104  Credit: 1  Grade Level: 9, 10, 11, 12*
Prerequisite: Priority will be given to students in grades 9-11. Grade 12 students may enroll if course numbers allow.

Course Description: This is an introductory course for work in news, editorial, and feature writing, grammar, editing, design, multi-media production, as well as media law and ethics. Students entering the course should have above average writing skills. A camera, USB drive, and SD digital memory card are recommended. Students are not required to own a camera; the school may provide a camera. This is a preparatory course for Journalism 2 level courses.

For additional Journalism courses, see Practical Arts – Journalism section

English Language Arts II Literature & Composition

Course ID: ELA200  Credit: 1  Grade Level: 10
Prerequisite: English Language Arts I Literature & Composition

Course Description: This course emphasizes reading, writing, speaking, listening, technology, and research skills, and builds upon skills from the previous English Language Arts courses. Broad-based, multicultural reading selections include short stories, plays, novels, poetry, and biographies. Course content would include literary analysis, writing compositions (include argumentative, expositive/informative, and narrative), and research essays.

Honors English Language Arts II Literature & Composition

Course ID: ELA209  Credit: 1  Grade Level: 10
Prerequisite: English Language Arts I Literature & Composition

Course Description: This intensely-paced Honors course includes literature and composition designed for students who have mastered the basics of the English Language Arts curriculum and wish to be challenged by a deeper and broader study. The course incorporates student practice in reading, literary analysis, oral and written communications, and vocabulary development. Students will be expected to read novels as well as other text selections. In addition, this course will help prepare students for Advanced Placement or College English courses. This is a rigorous literary/writing course and requires independent work that will be completed outside of class.

Debate I

Course ID: SPT100  Credit: 1  Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: Competitive Debate I is an introductory course to develop critical thinking, teach structured argumentation, and introduce basic library research skills. Students practice written communication of the issues introduced and perform oral communication of the events introduced. Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA.

Advanced Debate

Course ID: SPT204  Credit: 1  Grade Level: 10, 11, 12
Prerequisite: Debate I

Course Description: Advanced Debate is designed as a complete study of the national debate topics. Higher-level reasoning skills, critical thinking, basic theories of argumentation and library research are required. Emphasis will be on oral presentational skills in a minimum of two events. Participation in interscholastic debate competitions is required on a regular basis. Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA.
**Speech Communication**

Course ID: SPT205  
Credit: .5  
Grade Level: 9, 10, 11, 12

Prerequisite: None

**Course Description:** In this introductory course students have an opportunity to gain skill, confidence, and fluency in public speaking. Students develop an understanding of both basic communication principles and public speaking strategies through their application of these principles to a variety of speaking assignments.

**Literacy Methods**

Course ID: ELA210  
Credit: 1  
Grade Level: 10, 11, 12

Prerequisite: Teacher Approval

**Course Description:** The course is designed to help students be proficient in the essential elements of literacy. Refinement of skills will include phonics, fluency, vocabulary, word recognition, spelling, grammar, speaking and writing, as well as listening and reading comprehension. All strategies taught will foster the reading/writing/thinking connection. The strategies and knowledge students gain from this course will be applied directly to academic courses.

**American Literature & Composition**

Course ID: ELA301  
Credit: 1  
Grade Level: 11, 12

Prerequisite: English Language Arts II Literature & Composition

**Course Description:** This course examines the American literary ideals and culture from early settlement days through the 20th century. Skills emphasized include reading, literary analysis, writing, research, technology, and vocabulary development. A major research paper in MLA format is included.

**British Literature & Composition**

Course ID: ELA310  
Credit: 1  
Grade Level: 11, 12

Prerequisite: English Language Arts II Literature & Composition

**Course Description:** This college prep course examines the British literary traditions, ideals, and culture from the 6th to the 20th century. Skills emphasized include reading, writing, research, technology, and vocabulary development. A major research paper in MLA format is included.

**Multicultural Literature & Composition**

Course ID: ELA306  
Credit: 1  
Grade Level: 11, 12

Prerequisite: English Language Arts II Literature & Composition

**Course Description:** This course examines contemporary multicultural authors that exist inside and outside of the United States. Topics of discussion will include diversity appreciation, cultural differences and similarities, and multiculturalism. Skills emphasized include reading, writing, literary analysis, research, technology, and vocabulary development. A major research paper in MLA format is included.

**College English**

Course ID: ELA304  
Credit: 1  
Grade Level: 11, 12

Prerequisite: English Language Arts II Literature & Composition

11th Grade: Must have completed Honors ELA - 12th Grade: Must have completed 3 years of ELA

**Course Description:** This course offers students the opportunity to study the English language at the college level through reading and composition and to earn college credit. Students will analyze and interpret samples of good writing, apply effective strategies in their own writing, produce expository, analytical, and argumentative compositions, and demonstrate mastery of standard written English. This is a rigorous literary/writing course and requires independent work that will be completed outside of class.
**Honors Composition & Literature**

Course ID: ELA309  
Credit: 1  
Grade Level: 11, 12  
Prerequisite: English Language Arts II Literature & Composition

**Course Description:** This course is a composition and literature course with emphasis on the reading and writing needed for college. Students will study grammar, vocabulary, usage, and research skills. Students will write literary criticism, expository essays, and a research paper. Readings will include essays and classical literature. This is a rigorous literary/writing course and requires independent work that will be completed outside of class.

**Mythology and Classical Literature & Composition**

Course ID: ELA307  
Credit: 1  
Grade Level: 11, 12  
Prerequisite: English Language Arts II Literature & Composition

**Course Description:** 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 content would include literary analysis, writing compositions (include argumentative, expository/informative, and narrative), and research essays.

**Short Story**

Course ID: ELA312  
Credit: .5  
Grade Level: 11, 12  
Prerequisite: English Language Arts II Literature & Composition

**Course Description:** 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 content would include literary analysis, writing compositions (include argumentative, expository/informative, and narrative), and research essays.

**Creative Writing**

Course ID: ELA311  
Credit: .5  
Grade Level: 11, 12  
Prerequisite: English Language Arts II Literature & Composition

**Course Description:** This course is designed for students seriously interested in acquiring skills necessary to produce short stories and poems of publishable quality. Original thinking, imagination, and the ability to use words and figures of speech vividly are emphasized. Coursework includes weekly writing assignments, creating a portfolio, writing essays, plays, and short stories. The ability to accept and provide corrective criticism is essential.

**AP English Language & Composition**

Course ID: ELA302  
Credit: 1  
Grade Level: 11, 12  
Prerequisite: English Language Arts II Literature & Composition

11th Grade: Must have completed Honors ELA  
12th Grade: Must have completed 3 years of ELA

**Expectation:** Students taking an AP course are expected to take the Advanced Placement Exam during the spring semester.

**Course Description:** This course offers students the opportunity to study the English language at the college level through reading and composition and to earn college credit through satisfactory performance on the Advanced Placement Exam. Students will analyze and interpret samples of good writing, apply effective strategies in their own writing, produce expository, analytical, and argumentative compositions, and demonstrate mastery of standard written English. This is a rigorous literary/writing course and requires independent work that will be completed outside of class.
AP English Literature & Composition
Course ID: ELA303 Credit: 1 Grade Level: 11, 12
Prerequisite: English Language Arts II Literature & Composition

11th Grade: Must have completed Honors ELA
12th Grade: Must have completed 3 years of ELA

Expectation: Students taking an AP course are expected to take the Advanced Placement Exam during the spring semester.

Course Description: This intensely paced college level course examines the literary traditions, ideals, and cultures from the 6th to the 20th Century; college credit may be earned through satisfactory performance on the Advanced Placement exam. It is designed for students who have mastered the basics of the English curriculum and wish to be challenged by higher-level reading and analysis. The skills emphasized include reading, literary analysis, writing, research, technology, and vocabulary development. This is a rigorous literary/writing course and requires independent work that will be completed outside of class.

Fundamentals of Effective Speaking & Listening
Course ID: SPT306 Credit: .5 Grade Level: 11, 12
Prerequisite: None

Course Description: This course will primarily cover the study and practice of public speaking. Lectures and assignments are designed to provide a theoretical grounding and an opportunity to apply that theory through the presentation and analysis of public speeches. This course is concerned with assisting you become a better public speaker as well as a better consumer of public communication.

College Fundamentals of Effective Speaking & Listening
Course ID: SPT304 Credit: .5 Grade Level: 11, 12
Prerequisite: None

Course Description: This course will primarily cover the study and practice of public speaking. Lectures and assignments are designed to provide a theoretical grounding and an opportunity to apply that theory through the presentation and analysis of public speeches. This course is concerned with assisting you become a better public speaker as well as a better consumer of public communication.

Argumentation and Debate III/IV
Course ID: SPT305 Credit: 1 Grade Level: 12
Prerequisite: Debate I

Course Description: This course is designed as a complete study of the national debate topics. Higher-level reasoning skills, critical thinking, basic theories of argumentation and library research are required. Emphasis will be on oral presentational skills in a minimum of two events. Participation in interscholastic debate competitions is required on a regular basis.

College Argumentation and Debate III/IV
Course ID: SPT303 Credit: 1 Grade Level: 12
Prerequisite: Advanced Debate

Course Description: This course is designed as a complete study of the national debate topics. Higher-level reasoning skills, critical thinking, basic theories of argumentation and library research are required. Emphasis will be on oral presentational skills in a minimum of two events. Participation in interscholastic debate competitions is required on a regular basis. Students enrolled for both semesters may be eligible to participate in the college credit course, Argumentation 212. UMKC fees are required for students enrolled for three hours of college credit. Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA.
AP Research

Course ID: RES303  Credit: 1  Grade Level: 11, 12
Prerequisite: AP Seminar

Course Description: AP Research is designed to allow you to dive into an academic topic, problem, or issue of individual interest. You will further develop the skills you acquired in the AP Seminar course by understanding research methods; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. The course culminates in an academic paper of 4,000-5,000 words and a presentation with an oral defense during which you will answer questions about your academic paper. In the AP Research course, you will employ research and inquiry methodology to develop, manage, and conduct an in-depth study or investigation of an area of student’s own interest, culminating in a 4,000-5,000 word paper. You will also present (using appropriate media), and defend the research design, approach, and findings. Finally, you will document and reflect upon the research process and communication with mentor using a research log.

AP Research is the second course required to earn the AP Capstone diploma. This course can count as your 12th grade ELA graduation requirement.
# Mathematics

## Career/College Readiness Diploma (4 units required)

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<th>9th Grade</th>
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<td>Geometry</td>
<td>Algebra II</td>
<td>Transition to College Algebra/Statistics (consecutive)</td>
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<tr>
<td>Algebra I</td>
<td>Honors Geometry</td>
<td>Honors Algebra II</td>
<td>Honors/College PreCalculus</td>
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<td>Geometry *</td>
<td>Algebra II</td>
<td>Transition to College Algebra/Statistics (consecutive)</td>
<td>College Algebra</td>
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<tr>
<td>Honors Geometry *</td>
<td>Honors Algebra II</td>
<td>Transition to College Algebra/Statistics (consecutive)</td>
<td>College Calculus I (AP Calculus A/B)</td>
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<td>Honors Algebra II **</td>
<td>Honors/College PreCalculus</td>
<td>College Calculus I (AP Calculus A/B)</td>
<td>College Calculus II (AP Calculus B/C)</td>
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## Gold Medallion Diploma (4 units required including upper-level classes)

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<td>Honors/College PreCalculus</td>
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<tr>
<td>Algebra I</td>
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<tr>
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<tr>
<td>Honors Geometry *</td>
<td>Honors Algebra II</td>
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<tr>
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<td>Honors/College PreCalculus</td>
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* Must have had Algebra in 8th grade
** Must have had Geometry in 8th grade

* Bolded courses are part of the required state assessments

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<td>Off Campus</td>
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</table>
Algebra I
Course ID: MTH100 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: This course includes techniques in problem solving involving the real number system. An understanding of patterns, relations, and functions is introduced in this course. Students will learn how to represent and analyze mathematical situations and structures using algebraic symbols and how to use mathematical models to represent and understand quantitative relationships. This course also includes the analysis of change in various contexts. There will be an emphasis on algebraic concepts with applications in algebra, statistics, and probability.

Geometry
Course ID: MTH200 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Algebra I

Course Description: This course involves the analysis of characteristics and properties of two- and three-dimensional shapes and the development of mathematical arguments about geometric relationships. Students in this course will learn how to specify locations and describe spatial relationships using coordinate geometry and other representational systems. They will apply transformations and use symmetry to analyze mathematical situations. Visualization, spatial reasoning, and geometric modeling will be used in this course to solve problems. There will be an emphasis on geometric concepts with applications in algebra, statistics, and probability.

Intermediate Algebra
Course ID: MTH207 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Geometry

Course Description: This course is continuation of topics from Algebra I. Topics include number systems, patterns, functions, and other algebraic concepts.

Honors Geometry
Course ID: MTH205 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: Algebra I

Course Description: This course involves the analysis of characteristics and properties of two- and three-dimensional shapes and the development of mathematical arguments about geometric relationships, with an emphasis in writing formal proofs. Students in this course will learn how to specify locations and describe spatial relationships using coordinate geometry and other representational systems. They will apply transformations and use symmetry to analyze mathematical situations. Visualizations, spatial reasoning, and geometric modeling will be used in this course to solve problems. There will be an emphasis on geometric concepts with applications in algebra, statistics, and probability.

Applied Mathematics
Course ID: MTH312 Credit: 1 Grade Level: 11, 12
Prerequisite: Algebra I

Course Description: Refinement and application of math skills to example careers and industries which students might encounter after they have graduated from school. Topics may include: data gathering and analysis; measurement and conversion; budgeting and purchasing; communicating with numbers; construction math, electrical/pressure systems analysis and adjustment; transportation planning; statistical process control; and financial planning. This class may be especially helpful for those students planning careers in construction, quality control, manufacturing, electrical, HVAC, agriculture, or transportation.
**Algebra II**
Course ID: MTH300  
Credit: 1  
Grade Level: 9, 10, 11, 12  
Prerequisite: Geometry  

Course Description: Students will be extending their understanding of patterns, relations, and functions. They will improve their abilities to represent and analyze mathematical situations and structures using algebraic symbols and use mathematical models to represent and understand quantitative relationships. Students will analyze change in various contexts. There will be an emphasis on algebraic concepts with applications in geometry, statistics, trigonometry, and probability.

**Honors Algebra II**
Course ID: MTH307  
Credit: 1  
Grade Level: 9, 10, 11, 12  
Prerequisite: Honors Geometry  

Course Description: The student will study functions and their transformations, coordinate geometry, matrices, and determinants, sequences and series, radicals, complex numbers, exponents, conic sections, probability, permutations, combinations, and simple statistics.

**Transition to College Algebra**
Course ID: MTH512  
Credit: .5  
Grade Level: 10, 11, 12  
Prerequisite: Algebra II  

Course Description: Refinement of skills and concepts for college mathematics. Topics will include interpreting displays and graphs, working with functions (including linear, quadratic, and higher order), number systems, conics, elementary trigonometry, and discrete mathematical concepts. A scientific calculator is recommended.

**College Algebra**
Course ID: MTH502  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Algebra II or Transition to College Algebra and National Average on MATH ACT (20 or 21)  

Note: 10th grade eligible for college credit depending on school/institution.  

Course Description: Topics include relations and their graphs, ratios, proportion, variation, quadratic and quadratic form equations, theory of higher degree equations, systems of equations, inequalities, conic, determinants, progression, and binomial theorem. A scientific calculator is recommended.

**Honors PreCalculus**
Course ID: MTH511  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Honors Algebra II or Algebra II with teacher recommendation; or Proficient or Advanced on Algebra II EOC; or above National Average on Math ACT (21)  

Note: This course is only offered at North Kansas City and Oak Park.  

Course Description: This course is designed for students interested in engineering, physics, chemistry, and other technical fields. Topics include trigonometric functions and identities, logarithms, and plane analytic geometry. Some concepts from Calculus are introduced. A strong background in previous math courses is essential for success in this course. A TI84+ graphing calculator is strongly recommended.
**College PreCalculus**

Course ID: MTH513  
Credit: 1  
Grade Level: 10, 11, 12

Prerequisite: Honors Algebra II or Algebra II with teacher recommendation; or Proficient or Advanced on Algebra II EOC; or above National Average on Math ACT (21)

*Note: This course is only offered at Staley and Winnetonka.*

**Course Description:** This course is designed for students interested in engineering, physics, chemistry, and other technical fields. Topics include trigonometric functions and identities, logarithms, and plane analytic geometry. Some concepts from Calculus are introduced. A strong background in previous math courses is essential for success in this course. A TI84+ graphing calculator is strongly recommended.

**College Calculus I or AP Calculus A/B * **

Course ID: MTH503 or MTH505  
Credit: 1  
Grade Level: 10, 11, 12

Prerequisite: College PreCalculus

*Note: 10th grade eligible for college credit depending on school/institution.*

*This course may be taught as dual credit or AP.*

**Course Description:** Introduction to single variable calculus. Topics include: intuitive treatment of limits and continuity, differentiation of elementary functions, curve sketching, extreme values, rates of change, areas, definite integral, and fundamental theorem of calculus. A TI84+ graphing calculator is strongly recommended.

**College Calculus II or AP Calculus B/C * **

Course ID: MTH504 or MTH510  
Credit: 1  
Grade Level: 10, 11, 12

Prerequisite: Honors Calculus I/AP Calculus A/B

*Note: 10th grade eligible for college credit depending on school/institution.*

*This course may be taught as dual credit or AP.*

**Course Description:** This course will cover the integral, applications of integral (including area, volume, center of mass, continuous probability), techniques of integration, first-order differential equations, sequences and series, conic sections, parametric equations, and polar equations.

**Statistics**

Course ID: MTH204  
Credit: .5  
Grade Level: 10, 11, 12

Prerequisite: Algebra I

**Course Description:** This course instructs students in data gathering techniques, graphical display of data, and in making decisions based on data. It is especially helpful for those students planning careers in marketing, management, medicine, psychology, sociology, government, and education. A scientific calculator is recommended.

**AP Statistics**

Course ID: MTH203  
Credit: 1  
Grade Level: 10, 11, 12

Prerequisite: Algebra II

**Expectation:** Students taking an AP course are expected to take the Advanced Placement Exam during the spring semester.

**Course Description:** This is a rigorous course that will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.
# Science

## CLASS OF 2020 THROUGH 2022

**Career/College Readiness Diploma** (3 units required, 4th unit recommended)

**Gold Medallion Diploma** (3 units required, 4th unit recommended)

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<td>Honors Biology</td>
<td>College Chemistry/Honors Chemistry II</td>
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<tr>
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<td>Human Anatomy &amp; Physiology**</td>
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## CLASS OF 2023 AND BEYOND

**Career/College Readiness Diploma** (3 units required, 4th unit recommended)

**Gold Medallion Diploma** (3 units required, 4th unit recommended)

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* Prerequisite: Honors Physics

** May be enrolled concurrently with Honors Biology

## Biomedical Pathway - Project Lead the Way

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<tbody>
<tr>
<td>College Principles of Biomedical Science – PLTW</td>
<td>College Human Body Systems – PLTW</td>
<td>College Medical Interventions – PLTW</td>
<td>College Biomedical Innovations – PLTW</td>
</tr>
</tbody>
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available in Launch (online learning)  
Weighted  
Gold Medallion course  
Potential to earn college credit  
Off Campus

## Biology

Course ID: SC1300  
Credit: 1  
Grade Level: 9, 10, 11, 12  
Prerequisite: None

**Course Description:** The course includes a study of the cell, heredity, molecular genetics, biotechnology, DNA synthesis, protein synthesis, mitosis, meiosis, photosynthesis, respiration, evolution, and ecology. Laboratories, experimental design, lecture/discussions, and cooperative learning strategies will all be utilized to allow you to fully comprehend the information.
**Honors Biology**

Course ID: SCI315  
Credit: 1  
Grade Level: 9, 10, 11, 12  
Prerequisite: None

**Course Description:** This accelerated course has a more in-depth approach than Biology I. The course also includes a study of the cell, heredity, molecular genetics, biotechnology, DNA synthesis, protein synthesis, mitosis, meiosis, photosynthesis, respiration, evolution, and ecology. Laboratories, experimental design, lecture/discussions, and cooperative learning strategies will all be utilized.

**Chemistry**

Course ID: SCI200  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Algebra I

**Course Description:** This course is designed to provide students with a better understanding of the nature and behavior of matter and the factors that control chemical reactions. Students learn common elements (their symbols and combining qualities), quantum theory of atomic structure, chemical composition, the writing of balanced equations, and problem solving skills through the basic algebraic techniques. Lab work based on the scientific method is used to apply the fundamental concepts of chemistry.

**Honors Chemistry**

Course ID: SCI204  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Algebra I

**Course Description:** Honors Chemistry builds the foundation for advanced chemistry courses. This course incorporates lecture and laboratory activities to teach the basic concepts of chemistry with an emphasis on problem solving, high order thinking, and application of major chemical principles.

**Physics**

Course ID: SCI100  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Algebra I

**Course Description:** Physics is the study of the interactions of matter and energy. This course will focus on introducing students to the language of Physics as well as the motion of bodies, both large and small. Models and graphical analysis are used to explain the phenomena of force and motion. Experimental investigations are key elements in the instructional strategies.

**Honors Physics**

Course ID: SCI105  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Algebra I

**Course Description:** Honors Physics, an accelerated course, is the study of the interactions of matter and energy. This course will focus on introducing students to the language of Physics as well as the motion of bodies, both large and small. In addition to models and graphical analysis, basic math calculations are used to explain the phenomena of motion. Experimental investigations are key elements in the instructional strategies.

**Human Anatomy & Physiology**

Course ID: SCI318  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Biology/Honors Biology (Honors Biology can be concurrent)

**Course Description:** This course provides students with an in-depth study of the major organ systems of the human body. Students, through discussion and dissection, will learn organ locations, structures, and functions.
College Physics

Course ID:  SCI207  Credit:  1  Grade Level:  10, 11, 12
Prerequisite:  Honors Physics and Algebra I or Teacher Recommendation

Note: This course is only offered at Oak Park.
Course Description: This is a two-semester Physics course designed to impart an introductory understanding of all the subfields of physics, from mechanics to circuits. Students who pay tuition and meet the requirements of UMKC will earn 4 hours of college credit. This course will present a conceptual framework and problem solving skills that allow the students to understand a wide range of phenomena from behavior of a golf ball hit on the moon, to how to shoot a ping-pong ball at nearly supersonic speed.

AP Physics 1

Course ID:  SCI322  Credit:  1  Grade Level:  11, 12
Prerequisite:  Honors Physics and Algebra II (Algebra II can be taken concurrently) or Teacher Recommendation

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.
Course Description: This course is conducted using inquiry based instructional strategies that focus on experimentation to develop students' conceptual understanding of physics principles. Topics explored include: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, rotational motion, mechanical waves, electrostatics, and DC currents.

AP Physics 2

Course ID:  SCI323  Credit:  1  Grade Level:  11, 12
Prerequisite:  AP Physics 1 and Algebra II (Algebra II can be taken concurrently) or Teacher Recommendation

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.
Course Description: This course is conducted using inquiry based instructional practices that focus on experimentation to develop students' conceptual understanding of physics principles. Topics explored include: fluid mechanics and thermal physics, electricity and magnetism, physical and geometrical optics, and atomic and nuclear physics.

College Chemistry/Honors Chemistry II

Course ID:  SCI321  Credit:  1  Grade Level:  11, 12
Prerequisite:  Chemistry/Honors Chemistry and Algebra II

Note: College Chemistry/Honors Chemistry II is offered at North Kansas City, Oak Park, and Winnetonka.
Course Description: The importance of the theoretical aspects of chemistry has brought about an increasing emphasis on these aspects of the content of general chemistry courses. Topics such as the structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, and the basic concepts of thermodynamics are now being presented in considerable depth. Laboratory work is a major emphasis in this class.

AP Chemistry

Course ID:  SCI304  Credit:  1  Grade Level:  11, 12
Prerequisite:  College/Honors Chemistry II or Teacher Recommendation

Expectation: Students taking an AP course are expected to take the Advanced Placement Exam during the spring semester.
Course Description: The topics include: thermodynamics, reaction rates, equilibrium, electrochemistry, organic chemistry, and advanced laboratory techniques. Lab work is a major emphasis of the course.
**College Biology**

Course ID: SCI500  
Credit: 1  
Grade Level: 11, 12  
Prerequisite: Biology and Chemistry

**Course Description:** This course addresses several disciplines of biology including cell biology, genetics, taxonomy, biochemistry, ecology, evolution, and botany. Laboratory work is a major emphasis in this class. College credit can be obtained if the student meets the requirement of the post-secondary institution and pays tuition.

**AP Biology**

Course ID: SCI303  
Credit: 1  
Grade Level: 11, 12  
Prerequisite: Biology and Chemistry

**Expectation:** Students taking an AP course are expected to take the Advanced Placement Exam during the spring semester.  
**Course Description:** AP Biology is designed around the AP Biology Curriculum Framework that focuses on the major concepts in biology and their connections set forth by College Board. The four big ideas that are covered include: 1) The process of evolution drives the diversity and unity of life; 2) Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis; 3) Living systems store, retrieve, transmit, and respond to information essential to life processes; and 4) Biological systems interact, and these systems and their interactions possess complex properties. Laboratories, experimental design, lecture/discussions, and cooperative learning strategies will all be utilized.

**College Principles of Biomedical Science – PLTW**

Course ID: SCI103  
Credit: 1  
Grade Level: 9, 10, 11, 12  
Prerequisite: None

*Note: This course is offered as a part of the Biomedical pathway in the IB Career-related Program (IBCP).*  
**Course Description:** 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.

**College Human Body Systems – PLTW**

Course ID: SCI203  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: College Principles of Biomedical Science – PLTW

*Note: This course is offered as a part of the Biomedical pathway in the IB Career-related Program (IBCP).*  
**Course Description:** Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.
**College Medical Interventions – PLTW**

Course ID: SCI314  Credit: 1  Grade Level: 11, 12
Prerequisite: College Human Body Systems – PLTW

*Note: This course is offered as a part of the Biomedical pathway in the IB Career-related Program (IBCP).*

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

**College Biomedical Innovation – PLTW**

Course ID: SCI317  Credit: 1  Grade Level: 12
Prerequisite: College Medical Interventions – PLTW

*Note: This course is offered as a part of the Biomedical pathway in the IB Career-related Program (IBCP).*

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

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*This meets the World History credit requirement

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### World History

**Course ID:** SST100  
**Credit:** 1  
**Grade Level:** 9

**Prerequisite:** None

**Course Description:** World History is a survey course focusing on the time period from c. 1450 to the modern day with an emphasis on themes in history. Students will explore how geography, politics, economics, people/cultures, and continuity/change have shaped historical events and global issues. Students will learn skills historians acquire such as: analysis, synthesis, reading with purpose, and writing in multiple styles.

### Honors World History

**Course ID:** SST105  
**Credit:** 1  
**Grade Level:** 9

**Prerequisite:** None

**Recommendations:** Students taking this course should have a strong background in reading and writing skills; they should have developed skills in the areas of self-motivation, time management, research, and analytical abilities.

**Course Description:** World History is a survey course focusing on the time period from c. 1450 to the modern day with an emphasis on themes in history. Students will explore how geography, politics, economics, people/cultures, and continuity/change have shaped historical events and global issues. Students will learn skills historians acquire such as: analysis, synthesis, reading with purpose, and writing in multiple styles. Assessment is primarily performance based.

### AP Human Geography

**Course ID:** SST318  
**Credit:** 1  
**Grade Level:** 9, 10, 11, 12

**Prerequisite:** None

**Expectation:** Students taking an AP course are expected to take the Advanced Placement Exam during the spring semester.

**Course Description:** This course utilizes geographic processes to systematically include population, migration, culture, language, religion, ethnicity, political geography, economic development, industry, agriculture, and urban geography. Emphasis is placed on geographic models and their applications.
**US History**

Course ID: SST200  
Credit: 1  
Grade Level: 10  
Prerequisite: None

**Course Description:** Students will explore American history through the themes of: geography, culture, economics, government, and conflict. The content will encompass information from post 1870 American society, politics, and economic development. Students will learn skills historians acquire such as: analysis, synthesis, reading with purpose, and writing in multiple styles.

**Honors US History**

Course ID: SST205  
Credit: 1  
Grade Level: 10  
Prerequisite: None

**Recommendations:** Students taking this course should have a strong background in reading and writing skills; they should have developed skills in the areas of self-motivation, time management, research, and analytical abilities.  

**Course Description:** Students will explore American history through the themes of: geography, culture, economics, government, and conflict. The content will encompass information from post 1870 American society, politics, and economic development. Students will learn skills historians acquire such as: analysis, synthesis, reading with purpose, and writing in multiple styles. Assessment is primarily performance based.

**American Citizenship**

Course ID: SST300  
Credit: 1  
Grade Level: 11  
Prerequisite: None

**Course Description:** The American Citizenship course is focused on developing civic mindedness, intelligence, literacy, and enterprise through understanding of the origins, concepts, organizations, and policies of the United States government and political system.

**College US Government**

Course ID: SST317  
Credit: 1  
Grade Level: 11, 12  
Prerequisite: World History, US History

**Course Description:** This course offers students the opportunity to study American Government and Politics with specific reference to the US Constitution at the college level and earn college credit. This course examines the development, organization, and function of the National Government. This course meets the state requirement for study of the US and Missouri Constitutions.

**AP Government Politics US**

Course ID: SST301  
Credit: 1  
Grade Level: 11, 12  
Prerequisite: None

**Expectation:** Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.  

**Recommendations:** Students taking this course should have a strong background in reading and writing skills; they should have developed skills in the areas of self-motivation, time management, research, and analytical abilities.  

**Course Description:** Students will develop an analytical perspective on government and politics in the United States. It requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics.
AP Comparative Government & Politics
Course ID: SST319    Credit: 1    Grade Level: 11, 12
Prerequisite: None

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.
Course Description: Today's world requires that all citizens be fluent in foreign policy, international diplomacy, and complex global issues. AP Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in six core countries: China, Great Britain, Iran, Mexico, Nigeria, and Russia. 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. Careful comparison of political systems produces useful knowledge about the institutions and policies countries have employed to address problems or what they have done to make things worse. The course incorporates current events and news stories that make the curriculum engaging and relevant. Students interested in foreign policy, diplomacy, international law, and international business will find the course invaluable.

AP United States History
Course ID: SST312    Credit: 1    Grade Level: 10, 11, 12
Prerequisite: 10th graders may appeal to be enrolled

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.
Recommendations: Students taking this course should have a strong background in reading and writing skills; they should have developed skills in the areas of self-motivation, time management, research, and analytical abilities.
Course Description: Students will address political and social development of American Civilization from the beginning to the present day.

College United States History
Course ID: SST304    Credit: 1    Grade Level: 10, 11, 12
Prerequisite: 10th graders may appeal to be enrolled

Recommendations: Students taking this course should have a strong background in reading and writing skills; they should have developed skills in the areas of self-motivation, time management, research, and analytical abilities.
Course Description: Students will address political and social development of American Civilization from the beginning to the present day.

AP World History: Modern
Course ID: SST108    Credit: 1    Grade Level: 10, 11, 12
Prerequisite: None

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.
Recommendations: Students taking this course should have a strong background in reading and writing skills; they should have developed skills in the areas of self-motivation, time management, research, and analytical abilities.
Course Description: Students will develop a greater understanding of the evolution of global processes that affect the interaction human societies have with one another. The course highlights the nature of changes in such things as international trade, politics, conflict, as well as the cultural expectations that lay the foundations for development within the human race.
**College World History**

Course ID: SST107  Credit: 1  Grade Level: 10, 11, 12

Prerequisite: None

**Recommendations:** Students taking this course should have a strong background in reading and writing skills; they should have developed skills in the areas of self-motivation, time management, research, and analytical abilities.

**Course Description:** Students will develop a greater understanding of the evolution of global processes that affect the interaction human societies have with one another. The course highlights the nature of changes in such things as international trade, politics, conflict, as well as the cultural expectations that lay the foundations for development within the human race.

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**Psychology**

Course ID: SST311  Credit: 1  Grade Level: 10, 11, 12

Prerequisite: None

**Course Description:** Psychology is the study of our mental processes (how we think and why) and our behaviors (how we act and why). Topics will include, but are not limited to: theories about how we learn, how our personality forms and why, what mental illness is and how it is treated, as well as how we develop mentally throughout our lives.

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**AP Psychology**

Course ID: SST302  Credit: 1  Grade Level: 10, 11, 12

Prerequisite: None

**Expectation:** Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

**Recommendations:** Students taking this course should have a strong background in reading and writing skills; they should have developed skills in the areas of self-motivation, time management, research, and analytical abilities.

**Course Description:** Students will be performing an in-depth study of psychology. This will enable students to discuss the various biological, psychological, and social aspects why humans think and act the way they do. This course will also emphasize development of analytical skills necessary to perform well on the AP Exam.

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**Sociology**

Course ID: SST305  Credit: .5 or 1 (depending on school)  Grade Level: 11, 12

Prerequisite: None

**Course Description:** Sociology is the study of social relations, organization, and change. Students will be introduced to Sociology as a science while analyzing how social institutions (family, religion, education, etc.) influence the individual and group.

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**Military History**

Course ID: SST204  Credit: 1  Grade Level: 10, 11, 12

Prerequisite: None

**Course Description:** Students will research various methods of warfare, reasons for conflict, and the impacts those conflicts have had on the development of the world over time.
Global Language

available in Launch (online learning)  Weighted  Gold Medallion course  Potential to earn college credit  Off Campus

French

French I
Course ID: MDL100  Credit: 1  Grade Level: 9, 10, 11, 12
Prerequisite: None
Course Description: This course is designed so that students are able to use fundamental language in personal, practical, and culturally authentic everyday situations in oral and written form.

French II
Course ID: MDL200  Credit: 1  Grade Level: 9*, 10, 11, 12
Prerequisite: French I

* Students in 9th grade may enroll in the class upon successfully completing the yearlong course in 8th grade.
Course Description: This course is designed so that students may continue to expand their mastery of fundamental language usage in personal, practical, and culturally authentic everyday situations.

College French III
Course ID: MDL300  Credit: 1  Grade Level: 10, 11, 12
Prerequisite: French II
Course Description: The goal of this course is to develop the students’ ability to speak and to understand spoken French, as well as to read and write prose. The course is designed so that students may initiate structured communication by paraphrasing, summarizing, and analyzing given cultural topics.

College French IV
Course ID: MDL503  Credit: 1  Grade Level: 11, 12
Prerequisite: College French III
Course Description: The goal of this course is to continue to develop students’ proficiency in understanding, speaking, reading, and writing. The course is designed so that students may initiate spontaneous communication by interpreting, synthesizing, and evaluating literary and cultural topics. Oral and written proficiency is emphasized.

College French V
Course ID: MDL506  Credit: 1  Grade Level: 12
Prerequisite: College French IV
Course Description: The goal of this course is to continue to develop students’ proficiency in understanding speaking, reading, and writing. Oral and written proficiency is emphasized as well as exploration of French culture.
German

**German I**
Course ID: MDL101  
Credit: 1  
Grade Level: 9, 10, 11, 12

**Prerequisite:** None

**Course Description:** This course is designed so that students are able to use fundamental language in personal, practical, and culturally authentic everyday situations in oral and written form.

**German II**
Course ID: MDL201  
Credit: 1  
Grade Level: 9*, 10, 11, 12

**Prerequisite:** German I

**Course Description:** This course is designed so that students may continue to expand their mastery of fundamental language usage in personal, practical, and culturally authentic everyday situations.

**German III**
Course ID: MDL312  
Credit: 1  
Grade Level: 10, 11, 12

**Prerequisite:** German II

*Note: This course is only offered at Oak Park.*

**Course Description:** The goal of this course is to develop the students’ ability to speak and to understand spoken German, as well as to read and write prose. The course is designed so that students may initiate structured communication by paraphrasing, summarizing, and analyzing given cultural topics.

**German IV**
Course ID: MDL516  
Credit: 1  
Grade Level: 11, 12

**Prerequisite:** German III

*Note: This course is only offered at Oak Park.*

**Course Description:** The goal of this course is to continue to develop students’ proficiency in understanding, speaking, reading, and writing. The course is designed so that students may initiate spontaneous communication by interpreting, synthesizing, and evaluating literary and cultural topics. Oral and written proficiency is emphasized.

**German V**
Course ID: MDL517  
Credit: 1  
Grade Level: 12

**Prerequisite:** German IV

*Note: This course is only offered at Oak Park.*

**Course Description:** The goal of this course is to continue to develop students’ proficiency in understanding speaking, reading, and writing. Oral and written proficiency is emphasized as well as exploration of German culture.

**College German III**
Course ID: MDL301  
Credit: 1  
Grade Level: 10, 11, 12

**Prerequisite:** German II

**Course Description:** The goal of this course is to develop the students’ ability to speak and to understand spoken German, as well as to read and write prose. The course is designed so that students may initiate structured communication by paraphrasing, summarizing, and analyzing given cultural topics.
**College German IV**
Course ID: MDL504  
Credit: 1  
Grade Level: 11, 12  
Prerequisite: College German III

**Course Description:** The goal of this course is to continue to develop students’ proficiency in understanding, speaking, reading, and writing. The course is designed so that students may initiate spontaneous communication by interpreting, synthesizing, and evaluating literary and cultural topics. Oral and written proficiency is emphasized.

**College German V**
Course ID: MDL507  
Credit: 1  
Grade Level: 12  
Prerequisite: College German IV

**Course Description:** The goal of this course is to continue to develop students’ proficiency in understanding speaking, reading, and writing. Oral and written proficiency is emphasized as well as exploration of German culture.

**Spanish**

**Spanish I**
Course ID: MDL102  
Credit: 1  
Grade Level: 9, 10, 11, 12  
Prerequisite: None

**Course Description:** This course is designed so that students are able to use fundamental language in personal, practical, and culturally authentic everyday situations in oral and written form.

**Spanish II**
Course ID: MDL202  
Credit: 1  
Grade Level: 9*, 10, 11, 12  
Prerequisite: Spanish I

*Students in 9th grade may enroll in the class upon successfully completing the yearlong course in 8th grade.*

**Course Description:** This course is designed so that students may continue to expand their mastery of fundamental language usage in personal, practical, and culturally authentic everyday situations.

**College Spanish III**
Course ID: MDL302  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Spanish II

**Course Description:** The goal of this course is to develop the students’ ability to speak and to understand spoken Spanish, as well as to read and write prose. The course is designed so that students may initiate structured communication by paraphrasing, summarizing, and analyzing given cultural topics.
### College Spanish IV

**Course ID:** MDL505  
**Credit:** 1  
**Grade Level:** 11, 12  
**Prerequisite:** College Spanish III

**Course Description:** The goal of this course is to continue to develop students' proficiency in understanding, speaking, reading, and writing. The course is designed so that students may initiate spontaneous communication by interpreting, synthesizing, and evaluating literary and cultural topics. Oral and written proficiency is emphasized.

### College Spanish V

**Course ID:** MDL508  
**Credit:** 1  
**Grade Level:** 12  
**Prerequisite:** College Spanish IV

**Course Description:** The goal of this course is to continue to develop students' proficiency in understanding speaking, reading, and writing. Oral and written proficiency is emphasized as well as exploration of Spanish culture.

### Spanish for Heritage Speakers

**Course ID:** MDL521  
**Credit:** 1  
**Grade Level:** 9, 10, 11, 12  
**Prerequisite:** Mastery of written and verbal communication in Spanish

**Course Description:** This course is designed for native and/or heritage speakers with a focus on developing reading comprehension skills, verbal and written communication, and cultural and intercultural awareness.

### Fine Arts

**Art**

### Art I

**Course ID:** ART100  
**Credit:** 1  
**Grade Level:** 9, 10, 11, 12  
**Prerequisite:** None

**Course Description:** A course for beginning students emphasizing concepts, design principles, and techniques fundamental to all aspects of the visual arts. Project work will include drawing, painting, color theory, sculpture, design, art history, and more. This class is a prerequisite for all advanced art courses.
**Visual Art Photography**

Course ID: ART104  Credit: 1  Grade Level: 9, 10, 11, 12
Prerequisite: None

**Course Description:** This is a beginning art course for anyone interested in the digital arts and is a technology intensive course that requires the use of computers and imaging software. This is a prerequisite course for Advanced Visual Art Photography. Students will apply the elements of art and principles of design to digital photography as an art form to create a digital portfolio. School cameras are available for class use. Students who wish to use their own cameras may do so.

**Advanced Visual Art Photography**

Course ID: ART211  Credit: 1  Grade Level: 10, 11, 12
Prerequisite: Visual Art Photography

**Course Description:** This is a technology intensive course that requires the use of computers and imaging software. This is a yearlong class for students to further develop their skills in digital photography, and mastery of a DSLR camera. School cameras are available for class use. Students who wish to use their own cameras may do so. May be repeated for credit.

**Drawing, Painting, Printmaking: 2D Media**

Course ID: ART209  Credit: 1  Grade Level: 10, 11, 12
Prerequisite: Art I

**Course Description:** A yearlong class for students to develop skills in drawing, painting, printmaking, and other two-dimensional visual art medias. Students will explore graphite drawing pencils, charcoal, acrylic paint and relief printmaking. Students will further their understanding of the principles of design and elements of art in order to develop a 2D media portfolio. May be repeated for credit.

**Clay and Sculpture: 3D Media**

Course ID: ART210  Credit: 1  Grade Level: 10, 11, 12
Prerequisite: Art I

**Course Description:** A yearlong class for students to develop skills in ceramics, sculpture, fiber, and other three-dimensional visual art media. Students will explore the use of form and its spatial relationship in their artwork. May be repeated for credit.

**Graphic Design**

Course ID: ART202  Credit: 1  Grade Level: 10, 11, 12
Prerequisite: Art I or Visual Art Photography

**Course Description:** This is a technology intensive course that requires the use of computers and imaging software as a form of communication used in today’s world. This course introduces the principles of visual and typographic design communicating specific messages using both drawing and computer skills while addressing real world subjects in corporate design, advertising and marketing. May be repeated for credit.
AP Art and Design (formerly AP Studio Art)

Course ID: ART301  Credit: 1  Grade Level: 11, 12
Prerequisite: Art I or Visual Art Photography, and at least one of the following:
2D Media, 3D Media, Graphic Design, Advanced Visual Art Photography

**Expectation:** Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

**Course Description:** This is a very rigorous college-level course. Students will create, plan, and execute a sustained investigation portfolio which consists of 15 artworks based on the student’s chosen topic. 2-D design (which includes photography), 3-D design, or drawing/painting. AP Art and Design emphasizes independent student working habits and requires a substantial out-of-class commitment, with significantly more accomplishment expected than a typical high school art course. Students are encouraged to take AP Art and Design for two years. **May be repeated for credit. Teacher recommendation required.**

AP Art History

Course ID: ART505  Credit: 1  Grade Level: 10, 11, 12
Prerequisite: 10th grade students may take this course with an AP Art History teacher recommendation

**Expectation:** Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

**Course Description:** The AP Art History course is equivalent to a two-semester college survey course exploring the nature of art, art making, and responses to art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, students develop in-depth, holistic understanding of the history of art from a global perspective. Students become active participants in the global art world, engaging with its forms and content. They experience, research, discuss, read, and write about art, artists, art making, responses to, and interpretations of art. Students sit for the College Board exam in May.

Instrumental Music

Chamber Orchestra

Course ID: MUS100  Credit: 1  Grade Level: 9, 10, 11, 12
Prerequisite: Middle School string experience or lessons in violin, viola, cello, or string bass

**Course Description:** The class emphasizes individual playing skills, technique, and ensemble work. Extracurricular opportunities exist for this group. Attendance at concerts is required. Additional rehearsals may be required outside the normal school day. **May be repeated for credit.** (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

Concert Band

Course ID: MUS106  Credit: 1  Grade Level: 9, 10, 11, 12
Prerequisite: Middle School band experience or two years of private lessons and audition

**Course Description:** This course is open to woodwind, brass, and percussion players. Technical development through scales, articulation studies, and rhythmic accuracy is stressed along with development of tessitura and tone quality. This band plays grade level three and four music. Student participation is stressed and concerts are required. Placement in Concert Band is based on audition. **May be repeated for credit.** (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).
Music Appreciation
Course ID: MUS104  Credit: 1  Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: Students will experience and study the elements of music by exploring a wide range of vocal and instrumental styles. No previous musical experience is necessary for this class.

Jazz Band
Course ID: MUS200  Credit: 1  Grade Level: 10, 11, 12
Prerequisite: Audition on one of the following: drum set, electric bass, guitar, piano, saxophone, trombone, trumpet, vibes

Course Description: Jazz band offers students an opportunity to experience jazz, blues, and commercial music as a member of a performing ensemble. Classes stress musical skills as well as individual improvisation and technical skills. Performances are required. Additional rehearsals outside of the normal school day may also be required. Students should be a performing member of Band or Orchestra, unless otherwise approved for membership by the director through audition. May be repeated for credit. (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

Symphonic Band
Course ID: MUS204  Credit: 1  Grade Level: 9, 10, 11, 12
Prerequisite: Audition

Course Description: This group plays challenging music requiring technical facility and musicality needed for grade five literature. This band offers continued music development through exposure to advanced music in full ensemble, solo, and small ensemble groups and auditioned district and state ensembles. This group serves as the marching band in the fall. Performances are required. Additional rehearsals beyond the normal school day are required. May be repeated for credit. (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

Symphonic Orchestra
Course ID: MUS206  Credit: 1  Grade Level: 9, 10, 11, 12
Prerequisite: Audition

Course Description: This orchestra performs challenging, mature music which demands technical facility and musicality needed for grade five literature. Concerts are required. Additional rehearsals will be needed outside the normal school day. Extracurricular experiences are available for this class. May be repeated for credit. (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

Music Theory
Course ID: MUS205  Credit: 1  Grade Level: 10, 11, 12
Prerequisite: Read music fluently

Course Description: This course is designed for the student preparing for college bound music study. Students learn basic principles of classical harmony, the technical side of music production, and compositional techniques. Topics include notation of rhythm and pitch, major, minor, and modal keys, interval quality and melodic organization, triadic harmony, modulation, four-part harmony, ear training with melodic and harmonic dictation, sight-singing, and basic music keyboard skills.
**AP Music Theory**

Course ID: MUS301  Credit: 1  Grade Level: 11, 12  
Prerequisite: Read music fluently

**Expectation:** Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.  
**Course Description:** This course is designed for the student preparing for college bound music study. Students learn basic principles of classical harmony, the technical side of music production, and compositional techniques. Topics include notation of rhythm and pitch, major, minor, and modal keys, interval quality and melodic organization, triadic harmony, modulation, four-part harmony, ear training with melodic and harmonic dictation, sight-singing, and basic music keyboard skills.

**Vocal Music**

**Mixed Choir**

Course ID: MUS103  Credit: 1  Grade Level: 9, 10, 11, 12  
Prerequisite: None

**Course Description:** This course is designed for students who enjoy singing, but do not want to audition for a choir. Emphasis is placed on developing proper fundamentals of singing, breathing, tone quality, and music reading. All styles of vocal music will be performed. Participation in performances is a requirement of the class.  
*May be repeated for credit.* (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

**Bass Choir**

Course ID: MUS213  Credit: 1  Grade Level: 9, 10, 11, 12  
Prerequisite: None

**Course Description:** This intermediate level choir for low voices continues developing skills in sight reading, pitch memory, tone quality, breath control, interval recognition, ability to maintain an independent part, and understandings of music notation. Participation in performances is required for the class. (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

**Treble Choir**

Course ID: MUS105  Credit: 1  Grade Level: 9, 10, 11, 12  
Prerequisite: None

**Course Description:** This intermediate level choir for high voices continues developing skills in sight reading, pitch memory, tone quality, breath control, interval recognition, ability to maintain an independent part, and understandings of music notation. Participation in performances is required for the class. (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

**Varsity Treble Choir**

Course ID: MUS115  Credit: 1  Grade Level: 10, 11, 12  
Prerequisite: Audition

**Course Description:** Open to treble voices selected by audition in the spring of the previous year. Emphasis on developing proper vocal technique, choral tone, sight reading skills, fundamentals of music, and the ability to maintain an independent part. The group will perform a variety of choral styles. Outside rehearsals may be required. Singers will represent the school at State Music Festival. Participation in performances is a requirement of the class.  
*May be repeated for credit.* (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).
**A Cappella Choir**

Course ID: MUS300  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Audition

**Course Description:** This choir is for students with advanced skills in choral performance. Members must demonstrate high proficiency in sight reading, pitch memory, recognition of basic musical notation, tone quality, breath control, interval recognition, and ability to maintain an independent part. Group participates in a wide range of school and community events and district music festival. Course will cover entire spectrum of choral music at an advanced level of difficulty. Participation in performances is a requirement of the class. **May be repeated for credit.** (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

**Chamber/Show/Jazz Choir**

Course ID: MUS212  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Audition

**Course Description:** This is an auditioned group of experienced singers with advanced abilities in choral performance. A variety of choral literature is performed including chamber music, pop, and jazz. The group represents the school in performances and competitions within and outside the KC Metro area. Outside rehearsals and performances are required. **May be repeated for credit.** (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

**Theater**

**Theater I**

Course ID: SPT102  
Credit: 1  
Grade Level: 9, 10, 11, 12  
Prerequisite: None

**Course Description:** The objective of Theater I is to give interested students a well-rounded introduction to important aspects of theater and theatrical production. The following areas will be addressed: theater appreciation, character development, improvisation, mime, and scenes. Students will participate in a one-act class production.

**Theater II**

Course ID: SPT201  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Theater I

**Course Description:** The objective of Theater II is to allow students to pursue a more in-depth study of all aspects of theater with a focus on developing the elements of theater such as acting, lighting, sound, special effects, costumes, make-up, set design, and publicity.

**Theater III**

Course ID: SPT300  
Credit: 1  
Grade Level: 11, 12  
Prerequisite: Theater II; audition may be required based upon enrollment

**Course Description:** The focus of Theater III is designed to further the study of the serious theater student. Students will pursue an in-depth study of the elements of directing, script writing, and play production. Students will have the opportunity to pursue a focus area of their choice from the following areas: lighting, sound, special effects, costumes, make-up, stage and set design, or properties.
Theater IV
Course ID: SPT500 Credit: 1 Grade Level: 12
Prerequisite: Theater III; audition may be required based upon enrollment

Course Description: This course is designed to prepare the serious theater student for future theatrical experiences in college and in a real-life situation. All students will participate in a Senior Exhibition, prepare a portfolio, prepare an audition presentation, and complete a senior project.

College Theater: Foundations of Fine Arts
Course ID: SPT105 Credit: 3 Grade Level: 11, 12
Prerequisite: None

Course Description: An introduction to theatre arts and a general orientation to the creative and technical aspects of live performance. Includes historical overview, analysis of the components of a play, and observation of and critical reaction to theatrical productions.

Competitive Drama
Course ID: SPT400 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: This class is designed for the student who wants to improve skills in acting and performance. Activities in humorous and dramatic interpretation, prose and poetry reading, duet acting, and duo interpretation allow individuals to refine acting skills and techniques. Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA.

Advanced Competitive Drama
Course ID: SPT401 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: Competitive Drama

Course Description: This class is designed for the student who wants to further improve skills in acting and performance. Activities in humorous and dramatic interpretation, prose and poetry reading, duet acting, and duo interpretation allow individuals to refine acting skills and techniques. Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA.

Theater Special Projects
Course ID: SPT302 Credit: .5 Grade Level: 11, 12
Prerequisite: Theater II

Course Description: Participants will pursue an in-depth study and application of theater skills to real-life performances. Students will be given independent projects. May be repeated for credit.
Adaptive Physical Education

Course ID: PEH100
Prerequisite: None
Credit: .5
Grade Level: 9, 10, 11, 12

Course Description: This class meets the physical education requirement for students with a health problem which prevents them from taking a regular physical education class. A health form is required from a doctor indicating the activities in which the student should not participate. May be repeated for credit.

Aerobics

Course ID: PEH103
Prerequisite: None
Credit: .5
Grade Level: 9, 10, 11, 12

Course Description: This class is designed to improve the student’s overall fitness level with emphasis on cardio respiratory endurance. No dance ability is needed. Dressing out is a requirement for this course. May be repeated for credit.

Lifetime Activities

Course ID: PEH109
Prerequisite: None
Credit: .5
Grade Level: 9, 10, 11, 12

Course Description: This course is designed to offer students a variety of lifetime fitness/wellness trends that have become generally accepted as activities that are instrumental in developing life-long recreational habits. The instructor will emphasize walking for fitness and teach a variety of life-long recreational activities. May be repeated for credit.

Health

Course ID: PEH101
Prerequisite: None
Credit: .5
Grade Level: 9, 10, 11, 12

NOTE: Missouri requires Health be passed prior to graduation.
Course Description: This course addresses individual wellness and health issues confronting society today. Topics include: prevention of disease, AIDS prevention, alcohol and drug abuse, over-the-counter drugs, sexually transmitted diseases, nutrition, fitness, mental health, and responsible decision making concerning one’s health. State-mandated CPR training is component of this course.

Physical Education

Course ID: PEH102
Prerequisite: None
Credit: .5
Grade Level: 9, 10

Course Description: This course includes basic skills in sports, recreational activities, and emphasizes physical fitness. Dressing out is a requirement for this course. May be repeated for credit.

NOTE: The online version of this class uses wearable fitness devices to track activity. The device is loaned to the student and must be returned by the end of the semester. If the wearable device is not returned, an obligation will be added to the student’s account so a replacement can be purchased for future use.
**Strength & Conditioning I**

Course ID: PEH107  
Credit: .5  
Grade Level: 9, 10, 11, 12  
Prerequisite: None  

**Course Description:** This course is designed to meet the needs of highly motivated students. Students should expect to work hard and see increases in strength and power. Students will also formulate a life-long Strength Training Plan. Dressing out is a requirement for this course. *May be repeated for credit.*

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**Strength & Conditioning II**

Course ID: PEH110  
Credit: .5  
Grade Level: 9, 10, 11, 12  
Prerequisite: Coach’s Authorization  

**Course Description:** This course is designed to meet the needs of highly motivated students. Students should expect to work hard and see increases in strength and power. Students will also formulate a life-long Strength Training Plan. Dressing out is a requirement for this course. *May be repeated for credit.*

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**Team Sports**

Course ID: PEH108  
Credit: .5  
Grade Level: 10, 11, 12  
Prerequisite: None  

**Course Description:** This course is designed to provide basic skill development in multiple team sports. Students will develop an understanding of the rules in a variety of team sports. Students will also see the lifelong fitness gains that can be developed through participation in team sports. Dressing out is a requirement for this course. *May be repeated for credit.*

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**Practical Arts – Business & Marketing**

Available in Launch (online learning), Weighted, Gold Medallion course, Potential to earn college credit, Off-Campus

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**Business Management, Administration & Marketing**

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<td>Accounting I</td>
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<tbody>
<tr>
<td>9th Grade</td>
<td>Marketing Principles</td>
<td>Marketing Advanced</td>
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<td>Sports Marketing</td>
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</tbody>
</table>
**Business Law**

Course ID: BMK100  
Credit: 1  
Grade Level: 9, 10, 11, 12

**Prerequisite:** None

**Course Description:** This course is designed to acquaint students with basic knowledge of law for personal and business use. Topics include ethics and law, criminal law, problems in society, tort law, court systems, contract law, consumer law, income tax, insurance, employment contracts, family law, renting or buying a place to live, credit, consumer protection, and warranties.

**Accounting I**

Course ID: BMK200  
Credit: 1  
Grade Level: 10, 11, 12

**Prerequisite:** None

**Course Description:** Accounting is a class that will help any student that wishes to study business in college, operate his/her own business, or just know more about financial topics that will help throughout his/her financial life. Accounting is the language of business. Anyone planning a career/college major in any area of business should enroll in this course. This course introduces students to recording transactions from source documents, posting journal entries to ledger accounts, checking accuracy, and preparing financial statements. Students will complete both manual and computerized accounting simulations. Excel spreadsheets and/or accounting software are utilized.

**Accounting II**

Course ID: BMK304  
Credit: 1  
Grade Level: 11, 12

**Prerequisite:** Accounting I

**Course Description:** This course is designed for students with an inclination toward an accounting career. Course includes a review of first year accounting plus corporate accounting, analysis of financial statements, managing inventories, budgeting, and managerial uses of accounting. Excel spreadsheets and accounting software are utilized.

**Business Management**

Course ID: BMK307  
Credit: .5  
Grade Level: 11, 12

**Prerequisite:** None

**Course Description:** This course is designed for students entering the business field, those planning to enter management, those studying any business major in college, and those thinking about owning and/or managing their own business. This class is highly beneficial even for high school students as the relationship between employees and management is studied. Course of study includes management functions, marketing, human resources, business communication, global business, business situation analysis, and business ethics.

**Marketing Principles**

Course ID: BMK201  
Credit: 1  
Grade Level: 10, 11, 12

**Prerequisite:** None

**Course Description:** This course develops student understanding of distribution, financing, marketing information management, pricing, product/service management, promotion, and selling. Enrollment in Marketing Internship is optional, giving students the opportunity to apply newly acquired marketing skills in the workplace while earning credit and an income. Students enrolled in Marketing Education participate in DECA, a student organization that provides opportunities for students to demonstrate their mastery of the marketing curriculum in competitive events, to develop leadership skills, and to exhibit awareness of civic responsibilities. DECA can assist students in receiving scholarships, building a successful resume, and networking with business people.
Marketing Advanced

Course ID: BMK302  Credit: 1  Grade Level: 11, 12
Prerequisite: Marketing Principles

Course Description: This course develops an advanced level of understanding and skill in distribution, financing, marketing-information management, pricing, product/service management, promotion, and selling. Emphasis will be placed on the impact that customer behavior has on the implementation of marketing functions. Financial considerations as they relate to business profit will be explored. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Enrollment in Marketing Internship is optional, giving students the opportunity to apply newly acquired marketing skills in the workplace while earning credit and an income. Students will continue DECA participation.

Entrepreneurship

Course ID: BMK105  Credit: 1  Grade Level: 11, 12
Prerequisite: None

Course Description: Students will develop a business plan for owning and operating their own business. Financing the business, site location, advertising and selling, governmental regulations, and management will be major topics of study. This class also offers DECA, a student organization, as an integral part of the marketing program. It offers students the opportunity for leadership training, community service, travel to conferences and competition in the marketing area on a district, state, and national level.

College Marketing

Course ID: BMK313  Credit: .5  Grade Level: 11, 12
Prerequisite: Marketing Principles

Note: This course is only offered at Staley and North Kansas City High School.

Course Description: The College Marketing course involves the structure of marketing institutions in a global environment. The course includes analysis of marketing functions, consumer behavior, segmentation, market research, product planning, pricing, promotion, distribution, and marketing strategies. Internet and electronic mail activities are integrated to develop competencies in data collection, application, and task analysis. This class is taught at the rigor of a college course through a certified institution. To participate in the college course, you must have a GPA of 2.5 or an 18 on the ACT. This Class is directly connected to DECA, a co-curricular organization of Marketing students. A DECA based competitive event is part of assessment for this class.

Sports Marketing

Course ID: BMK317  Credit: .5 or 1  Grade Level: 11, 12
Prerequisite: Marketing Principles or Portfolio Submission

Course Description: This is an instructional program that focuses on marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events that include videoboard graphics, website maintenance, and social media. The primary goal is to promote North Kansas City School District’s high school sporting events. Students are also performing a public service to the district and its patrons via business advertising. Students completing this class will have a working knowledge of the marketing aspects of creating a sports event, including but not limited to website design and maintenance, video board graphics, social media, and fan participation. This knowledge will give students a head start for college and professional careers. There will be mandatory out of the classroom assignments including live broadcasts, social media events, and advertising campaigns.
Marketing Internship (off campus)
Course ID: BMK303  Credit: 0.5-2  Grade Level: 11, 12
Prerequisite: Concurrent enrollment in Marketing Principles, Marketing Advanced, or Entrepreneurship

Course Description: Marketing Internship allows the student the opportunity to explore marketing related careers in a paid position while applying concepts presented in the classroom. The students provide their own transportation. The students will spend part of the school day working with a marketing professional at their training site. This course may be taken for one semester or a full year. May be repeated for credit.

Computer Science

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<tr>
<td>Coll Comp Science Essentials PLTW</td>
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</table>

Computer Applications
Course ID: BMK121  Credit: 0.5  Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: This course is designed to help students review and master beginning and advanced skills in the areas of word processing, spreadsheet applications, multimedia, internet usage, and integrated software applications.

College Computer Science Essentials – PLTW
Course ID: BMK116  Credit: 1  Grade Level: 9, 10, 11, 12
Prerequisite: None

Note: This course is offered as a part of the Computer Science pathway in the IB Career related Program (IBCP)

Course Description: College Computer Science Essentials (CSE) introduces students to coding fundamentals through an approachable, block-based programming language where they will have early success in creating usable apps. As students sharpen their computational thinking skills, they will transition to programming and text-based programming side-by-side. Finally, students learn the power of text-based programming as they are introduced to the Python® programming language.

AP College Computer Science Principles – PLTW
Course ID: BMK112  Credit: 1  Grade Level: 9, 10, 11, 12
Prerequisite: Algebra I

Note: This course is offered as a part of the Computer Science pathway in the IB Career-related Program (IBCP).

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

Course Description: In Computer Science Principles (CSP), students develop the in-demand computer science skills critical to thrive in any of today’s and tomorrow’s careers. The course promotes computational thinking and coding fundamentals and introduces computational tools that foster creativity. It aims to build students’ awareness of the tremendous demand for computer scientists and those who have computational thinking skills, and engages students to consider issues raised by the impact of computing on society. Each unit also focuses on one or more computer science-specific career paths. Computer Science Principles provides students with a broad exposure to the many aspects of computer science while encouraging creativity, socially responsible choices, and ethical behavior. It inspires algorithmic and computational thinking, helping students see themselves in a career path they might not have initially chosen.
AP College Computer Science A – PLTW

Course ID: BMK113  Credit: 1  Grade Level: 10, 11, 12
Prerequisite: AP College Computer Science Principles – PLTW

Note: This course is offered as a part of the Computer Science pathway in the IB Career-related Program (IBCP).

Expectation: Students taking an Advanced Placement course are expected to take the AP Exam during the spring semester.

Course Description: AP Computer Science A (CSA) is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. CSA is designed with alignment to the College Board CSA framework.

Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

Computer Programming Capstone

Course ID: BMK318  Credit: .5  Grade Level: 11, 12
Prerequisite: At least two of the following courses: College Computer Science Essentials – PLTW, Computer Science Principles – PLTW, or Computer Science A – PLTW

Course Description: Students will build on the concepts developed in previous computer science classes. Topics include database management, server-side programming, Android development, and Apple development. Students will finish the course with a real-world project of their choosing.

College Cyber Security – PLTW

Course ID: BMK117  Credit: 1  Grade Level: 11, 12
Prerequisite: AP College Computer Science Principles – PLTW

Note: This course is offered as a part of the Computer Science pathway in the IB Career-related Program (IBCP).

Course Description: Cyber Security introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cyber Security, students solve problems by understanding and closing these vulnerabilities. This course raises students’ knowledge of and commitment to ethical computing behavior. It also aims to contribute to communities with a dependable cyber-infrastructure that moves and processes information safely.
Practical Arts–Family & Consumer Science

available in Launch (online learning)  Weighted  Gold Medallion course  Potential to earn college credit  Off Campus

Culinary Arts

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<td>Foods for Life</td>
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<td>International Foods</td>
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<td>NCC – Culinary Arts I</td>
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<td>NCC – Culinary Arts II</td>
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**Foods for Life**

Course ID: FAC104  
Credit: .5  
Grade Level: 9, 10, 11, 12

Prerequisite: None

*Note: This course is offered as a part of the Culinary Arts pathway in the IB Career-related Program (IBCP).*

**Course Description:** Start your year off right by learning to plan, prepare, and eat a variety of foods. In this beginning, comprehensive foods class, you will become efficient at using kitchen fundamentals: proper measurements, safety and sanitation, and basic food preparations.

**International Foods**

Course ID: FAC109  
Credit: .5  
Grade Level: 10, 11, 12

Prerequisite: Foods for Life

*Note: This course is offered as a part of the Culinary Arts pathway in the IB Career-related Program (IBCP).*

**Course Description:** This research-based course is designed for the student who wishes to study history, geography, culture, patterns of family meals, customs, food habits, cooking techniques, and equipment unique to countries around the world. Students will have the opportunity to prepare a variety of foods originating from all over the world. Various regions will be covered, including North America, Latin America, Europe, the Mediterranean, Asia, and the Middle East.

**ProStart Foods Level I**

Course ID: FAC206  
Credit: 1  
Grade Level: 10, 11, 12

Prerequisite: Foods for Life; if course enrollment numbers exceed capacity, an application process will be utilized

*Note: This course is offered as a part of the Culinary Arts pathway in the IB Career-related Program (IBCP).*

**Course Description:** Are you interested in starting an exciting career in the restaurant and food service industry? You will be introduced to the fundamentals of restaurant management and culinary arts beginning with preparatory steps for becoming a successful restaurant and food service professional. Application of math, science, and technology will be seen in each unit. Students will learn all aspects of food safety and sanitation and the principles of professional kitchen basics, knife skills, knife cuts, and preparation techniques for stocks, soups, sauces, fruits, vegetables, and an introduction to baking. Students who pass the end of course exam for Level I will receive a certificate from the National Restaurant Association. Chef coats may be required.
**ProStart Foods Level II**

Course ID: FAC207  
Credit: 1  
Grade Level: 11, 12  
Prerequisite: ProStart Foods Level I; if course enrollment numbers exceed capacity, an application process will be utilized

*Note: This course is offered as a part of the Culinary Arts pathway in the IB Career-related Program (IBCP).*

**Course Description:** Students will continue advancing skills to learn management and culinary skills toward a career in the restaurant and food service industry. Students will learn marketing strategies, costing and purchasing fundamentals, as well as business concepts related to the restaurant industry. Application of math, science and technology will be seen in each unit. Cooking principles and techniques for the preparation of breakfast food, meat, poultry, seafood, desserts, potatoes, pastas, grains, and baked goods will be introduced. Students who pass the end of course exam for Level II will receive a certificate from the National Restaurant Association. Chef coat may be required. College credit is available through Missouri State University upon completion of Level I and II (*Staley and North Kansas City HS only)*.

**Fashion, Interior Design & Merchandising**

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</table>
| Fashion & Interiors         | Interior Design | Fashion/Interior Design & Merchandising  
FACS Internship |

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<th><strong>Fashion Design Pathway</strong></th>
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<td><strong>9th Grade</strong></td>
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</table>
| Fashion & Interiors       | Advanced Fashion Design & Construction | Apparel Construction  
Fashion/Interior Design & Merchandising  
FACS Internship |

**Fashion & Interiors**

Course ID: FAC107  
Credit: 1  
Grade Level: 9, 10, 11, 12  
Prerequisite: None

**Course Description:** Are you interested in a career in the fashion or interior design industry? Learn to sew textiles for fashion and interiors. This course is designed to teach the fundamentals of sewing for garment construction and interior furnishings. It is for students with little or no experience in sewing construction methods. Students are responsible for the purchase of all supplies, fabrics, and materials.

**Interior Design**

Course ID: FAC210  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: None

**Course Description:** Do you love to rearrange furniture or decorate rooms? Would you like to participate in hands-on learning by working with colors, fabrics, and space? You will use your personal creativity in this class to understand how to design interiors while focusing on the various aspects of both architecture and interior design. Opportunities to apply these concepts will occur, which will serve you well both in this class and as a consumer of home products and materials.
**Advanced Fashion Design & Construction**

Course ID: FAC108  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Fashion & Interiors

**Course Description:** Students can develop advanced skills in this higher-level clothing course by using designer patterns, quality fabrics, and tailoring techniques while constructing apparel. Students will create a portfolio. Project selection will vary dependent upon student abilities. Students are responsible for the purchase of all supplies, fabrics, and materials. This class is repeatable for credit.

**College Advanced Fashion Design & Construction**

Course ID: FAC314  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Fashion & Interiors

*Note: This course is only offered at Winnetonka.*

**Course Description:** Students can develop advanced skills in this higher-level clothing course by using designer patterns, quality fabrics, and tailoring techniques while constructing apparel. Students will create a portfolio. Project selection will vary dependent upon student abilities. Students are responsible for the purchase of all supplies, fabrics, and materials. College credit is available through Missouri State.

**Apparel Construction**

Course ID: FAC310  
Credit: .5  
Grade Level: 11, 12  
Prerequisite: Advanced Fashion Design & Construction

**Course Description:** Students enrolled in this class will use advanced skills to create approved projects. They will develop skills in pattern making and adjustments. A tailored coat or original clothing design will be constructed. Students will learn problem solving, critical thinking, and use technical reading to design and construct apparel. Students are responsible for the purchase of all supplies, fabrics, and materials. This class is repeatable for credit.

**Fashion/Interior Design & Merchandising**

Course ID: FAC313  
Credit: 1  
Grade Level: 11, 12  
Prerequisite: Advanced Fashion Design & Construction OR Interior Design

**Course Description:** Are you interested in a career in the fashion or interior design industry? The world of design is an exciting, fast-paced, and ever-changing industry that offers a variety of career opportunities. In this class, you will learn to predict next year’s fashion and interior trends and analyze consumers’ past and current cultural influences. You will also learn how color, textiles, consumer motivation, sales, and current publications affect the art of merchandising. This class helps to develop skills needed to become a future leader within the fashion and interior design industry.

**Human Services**

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<tr>
<td><strong>9th Grade</strong></td>
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<tr>
<td>Child Development I</td>
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<tr>
<td>Child Development Learning Center I</td>
</tr>
<tr>
<td>Self-Development I</td>
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</tbody>
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North Kansas City Schools  
2020-21 CPEG
**Child Development I**

Course ID: FAC106  
Credit: .5  
Grade Level: 9, 10, 11, 12

Prerequisite: None

*Note: This course is also offered as a part of the Pre-Teaching pathway in the IB Career-related Program (IBCP).*

**Course Description:** This course is designed to help students understand and appreciate children, the parenting process, and related careers. Topics covered include human reproduction, labor and delivery, and parenting skills. Students will study development during baby’s first year.

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**Child Development Learning Center I**

Course ID: FAC102  
Credit: 1  
Grade Level: 9, 10, 11, 12

Prerequisite: None

*Note: This course is only offered at Oak Park High School.*

**Course Description:** A comprehensive program in a child's growth and development from birth through age five. Work with children in a preschool setting. Students plan and implement all activities for a preschool lab that meets twice weekly, allowing for hands-on learning and lots of fun. Other areas of study include human reproduction, pregnancy, labor and delivery, and parenting skills.

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**Child Development II**

Course ID: FAC305  
Credit: .5 or 1 (depending on school)  
Grade Level: 9, 10, 11, 12

Prerequisite: Child Development I

*Note: This course is also offered as a part of the Pre-Teaching pathway in the IB Career-related Program (IBCP).*

**Course Description:** This class will build an understanding of children's growth and development and a solid foundation of skills needed when interacting with children. Students learn theories of development and growth. Units of study also include adoption, childhood diseases and immunizations, special needs, establishment of routines, sibling rivalry, toy selection, and play activities. Child Development II is a good class for anyone interested in working with children or being a parent. It also is a great foundation for students interested in psychology, sociology, and human development.

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**Child Development Learning Center II**

Course ID: FAC306  
Credit: 1  
Grade Level: 10, 11, 12

Prerequisite: Child Development Learning Center I

*Note: This course is only offered at Oak Park High School.*

**Course Description:** This class offers opportunities to learn about the competencies needed to work in a preschool setting. Every week, the student will work with a preschool age (3-5) child helping him/her be successful in meeting kindergarten readiness standards. Through this experience and additional community resources, the student will gain a clearer understanding of the child and his/her world. This course does cover issues with human reproduction.

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**Self-Development I**

Course ID: FAC203  
Credit: .5  
Grade Level: 10, 11, 12

Prerequisite: None

**Course Description:** Who are you? Where are you going? Through a self-discovery process, find answers to these and many other important questions related to self-development. Students will become more self-aware, analyze strategies for a healthy lifestyle, recognize the various stages of life, and how your individual personality influences your career choices.
### Self-Development II

<table>
<thead>
<tr>
<th>Course ID:</th>
<th>FAC208</th>
<th>Credit:</th>
<th>Grade Level:</th>
<th>10, 11, 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisite:</td>
<td>Self-Development I</td>
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</tbody>
</table>

**Course Description:** Where will life take you? Self-Development II will help you determine strategic choices, become aware of social issues in today's society, create healthy interpersonal relationships, and investigate careers that will match your skill set. The overall goal is to discover where you fit in the bigger picture.

### Interpersonal Relationships

<table>
<thead>
<tr>
<th>Course ID:</th>
<th>FAC322</th>
<th>Credit:</th>
<th>Grade Level:</th>
<th>11, 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisite:</td>
<td>None</td>
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</table>

**Course Description:** Develop skills for success in relationships and marriage in today's world. Explore the avenues of love and learn to build and maintain strong relationships. This class instructs, informs, and involves students in projects and activities for now and in the future. This course deals with human reproduction and/or family life education.

### College Introduction to Teaching

<table>
<thead>
<tr>
<th>Course ID:</th>
<th>GEN509</th>
<th>Credit:</th>
<th>Grade Level:</th>
<th>10, 11, 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisite:</td>
<td>Child Development I and II strongly suggested</td>
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**Note:** This course is also offered as a part of the Pre-Teaching pathway in the IB Career-related Program (IBCP).

**Course Description:** This course is designed to explore the skills needed to become a teacher in the 21st century. From historical contexts to communicative/social skills, students will understand and acquire the tools needed to implement state and district curriculum, to develop lesson plans and developmentally appropriate practices that will build a strong foundation for one's future as part of the education community.

### FACS Internship (off campus)

<table>
<thead>
<tr>
<th>Course ID:</th>
<th>FAC301</th>
<th>Credit:</th>
<th>Grade Level:</th>
<th>11, 12</th>
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<tbody>
<tr>
<td>Prerequisite:</td>
<td>Successful completion of entry-level FACS course and application. Transportation provided by the student.</td>
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</table>

**Note:** This course is offered as a part of the Pre-Teaching pathway in the IB Career-related Program (IBCP).

**Course Description:** Explore culinary arts, hospitality, fashion, clothing, interior design, housing, children, families, education, or health by spending part of your day in the work world away from school with a community professional. Working with a field site supervisor in one of these areas will familiarize you with the responsibilities and rewards of that career choice. **May be repeated for credit.**
Practical Arts – Engineering & Industrial Technology

available in Launch (online learning)  Weighted  Gold Medallion course  Potential to earn college credit  Off Campus

Construction

<table>
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<tr>
<th>Construction Pathway</th>
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<tr>
<td><strong>9th Grade</strong></td>
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<tr>
<td>Home Maintenance &amp; Repair</td>
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<tr>
<td>Woodworking I</td>
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</table>

* See Off Campus Program Sections

Home Maintenance & Repair

Course ID: IND104  Credit: 1  Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: This course is designed to provide students with an awareness of basic skills necessary to maintain a home. Variety of lectures, demonstrations, and hands-on experiences will be used to cover the following topics: home safety and security, power tool safety, hand tool safety, plumbing, electricity, carpentry, home design, landscaping, heating and cooling systems, and occupations related to these topics. Course is ideal for students just wanting to learn more about residential construction to become a better consumer.

Woodworking I

Course ID: IND103  Credit: 1  Grade Level: 9, 10, 11, 12
Prerequisite: None

Course Description: This is a beginning course in woodworking. Safety is stressed throughout the course in developing skills in the use of common hand tools, power tools, and stationary power tools which are commonly used in the woodworking lab. Topics covered include reading drawings, estimating lumber cost, measurement and layout, cutting and forming, joining, adhesive, fasteners, assembly methods, abrasives, staining, and finishes. Required projects will be constructed.

Woodworking II

Course ID: IND202  Credit: 1  Grade Level: 10, 11, 12
Prerequisite: Woodworking I

Course Description: This course is designed for students who have mastered Woodworking I. Students will construct required projects.
Woodworking III
Course ID: IND302 Credit: 1 Grade Level: 11, 12
Prerequisite: Woodworking II

Course Description: This course is designed for students who have completed Woodworking II. Students must be self-sufficient in the woodworking lab.

Woodworking IV
Course ID: IND500 Credit: 1 Grade Level: 12
Prerequisite: Woodworking III

Course Description: This course is designed for students who have completed Woodworking III. Students must be self-sufficient in the woodworking lab. Students will be required to design, plan, and build their own projects.

Engineering

<table>
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<tr>
<th>Engineering Pathway</th>
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<tbody>
<tr>
<td>9th Grade</td>
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<tr>
<td>College Intro to Engineering Design PLTW</td>
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</table>

* See Off Campus Program Sections

College Intro to Engineering Design – PLTW
Course ID: IND102 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Note: This course is offered as a part of the Engineering pathway in the IB Career-related Program (IBCP).

Course Description: Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software and use an engineering notebook to document their work.

College Principles of Engineering – PLTW
Course ID: IND201 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Note: This course is offered as a part of the Engineering pathway in the IB Career-related Program (IBCP).

Course Description: Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.
College Digital Electronics – PLTW
Course ID: IND301  Credit: 1  Grade Level: 10, 11, 12
Prerequisite: None

Note: This course is offered as a part of the Engineering pathway in the IB Career-related Program (IBCP).
Course Description: From smartphones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.

College Civil Engineering and Architecture – PLTW
Course ID: IND200  Credit: 1  Grade Level: 9, 10, 11, 12
Prerequisite: None

Note: This course is offered as a part of the Engineering pathway in the IB Career-related Program (IBCP).
Course Description: 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 3-D architectural design software.

College Engineering Design and Development – PLTW
Course ID: IND501  Credit: 1  Grade Level: 12
Prerequisite: Two PLTW Engineering Courses

Note: This course is offered as a part of the Engineering pathway in the IB Career-related Program (IBCP).
Course Description: The knowledge and skills students acquire throughout PLTW Engineering come together in Engineering Design and Development as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing Engineering Design and Development ready to take on any post-secondary program or career.

Practical Arts – Journalism

Journalism 1 (ELA Credit)
Course ID: MED104  Credit: 1  Grade Level: 9, 10, 11, 12
Prerequisite: Priority will be given to students in grades 9-11. Grade 12 students may enroll if course numbers allow.

Course Description: This is an introductory course for work in news, editorial, and feature writing, grammar, editing, design, multi-media production, as well as media law and ethics. Students entering the course should have above average writing skills. A camera, USB drive, and SD digital memory card are recommended. Students are not required to own a camera; the school may provide a camera. This is a preparatory course for Journalism 2 level courses.
**Journalism 1 Broadcast**

Course ID: MED103  
Credit: 1  
Grade Level: 9, 10, 11, 12  
Prerequisite: Priority will be given to students in grades 9-11. Grade 12 students may enroll if course numbers allow.

**Course Description:** This class is the introduction course to Journalism 2 Broadcast and is for students interested in learning how to produce a television broadcast. Students will learn hands-on techniques by being behind and in front of the camera, as well as editing techniques using professional grade software. It also covers media law and ethics as it applies to broadcasting. A USB drive, and SD digital memory card are recommended. Students are not required to own a camera; the school may provide a camera. This is a preparatory course for Journalism 2 level courses.

**Journalism 1 Photography**

Course ID: MED105  
Credit: 1  
Grade Level: 9, 10, 11,12  
Prerequisite: Priority will be given to students in grades 9-11. Grade 12 students may enroll if course numbers allow.

**Course Description:** Instruction in all aspects of photography; students learn theories and procedures for shooting, publishing, composition, documentary photography, caption writing, as well as media law and ethics in the field of photojournalism. A camera, USB drive, and SD digital memory card are recommended. Students are not required to own a camera; the school may provide cameras for class use. This is a preparatory course for Journalism 2 level courses.

**Journalism 2 Multi-Media**

Course ID: MED204  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Journalism 1 or Journalism 1 Photography, a portfolio submission will be required if course enrollment exceeds capacity.

**Course Description:** This class publishes the school newspaper/newsmagazine (print and online publications). Students apply principles of journalism when writing news stories, features and editorials, selling ads, gathering news, conducting interviews, designing layouts, taking photos, and finding answers to the practical, legal, and ethical questions of producing student publications. A camera, USB drive, and SD digital memory card are recommended. Students are not required to own a camera; the school may provide a camera.  *May be repeated for credit.*

**Journalism 2 Yearbook**

Course ID: MED301  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Journalism 1 or Journalism 1 Photography, a portfolio submission will be required if course enrollment exceeds capacity.

**Course Description:** This class produces the school yearbook, a history of one school year. Students apply principles of journalistic writing, ad design, layout, graphic arts, photography, staff management, publishing, and finding answers to the practical, legal, and ethical questions of producing student publications. The yearbook requires some work in the summertime as well. A camera, USB drive, and SD digital memory card are recommended. Students are not required to own a camera; the school may provide a camera.  *May be repeated for credit.*
Journalism 2 Broadcast
Course ID: MED205  Credit: 1  Grade Level: 10, 11, 12
Prerequisite: Journalism 1 Broadcast, a portfolio submission will be required if course enrollment exceeds capacity.

Course Description: Students will produce a live and/or recorded television newscast. They will be involved in writing and editing news and editorial copy, scheduling interviews, reporting, anchoring and editing, and finding answers to the practical, legal, and ethical questions of producing student publications. Students will learn single camera video recording, video concepts and terms, audio, lighting, graphics, and set design. A USB drive, and SD digital memory card are recommended. Students are not required to own a camera; the school may provide a camera. May be repeated for credit.

Journalism 2 Sports Broadcasting
Course ID: MED303  Credit: 1 or 2, see below  Grade Level: 10*, 11, 12
Prerequisite: Journalism 1 Broadcast, Journalism 2 Broadcast; a portfolio submission will be required if course enrollment exceeds capacity.

Note: Students may be required to provide transportation to evening events.
Course Description: This course is designed to be practical and interactive, covering all aspects of 21st century sports broadcasting. Students will learn how to create live sporting events broadcasts, write cohesively and concisely, how to conduct and edit interviews, how to deal with athletes and sports executives at all levels, and how to use technology to enhance production value. Students will be using professional broadcast equipment including cameras, replay, graphics, switchers, video boards, etc., plus work as announcers, producers, directors, tech crew and more. There will be mandatory out of the classroom assignments including live broadcasts and other events. There are also a variety of other assignments. The primary goal is to create professional sports broadcasts to promote the North Kansas City School District's high schools and their athletic programs. Students perform a public service to the district and its patrons. Students completing this class will have a working knowledge of the business and technological aspects of creating a sports or event broadcast. This knowledge will give students a head start for college and professional careers. In addition, this course will work closely with the Sports Marketing class, similar to how professional sports broadcasters work with their marketing teams.

This course, offered at each high school, may be taken for one semester or a whole year. Students can earn a letter in this course. May be repeated for credit.

Journalism 3 Digital Laboratory
Course ID: MED302  Credit: .5  Grade Level: 10, 11, 12
Prerequisite: Concurrent enrollment in Journalism 2 course (Multimedia, Yearbook, Broadcast, Sports Broadcast, or Sports Marketing)

Course Description: This course is designed as a work time for publication production and individual work with the adviser in print, online, or broadcast skills. Students use the time to manage production of their publication(s), continue their own work and further their study of journalism and related career fields. The course is an excellent opportunity to further students’ study of editorial leadership, complete tasks, and use effective time management skills. Students may also explore industry certification in software and equipment, such as Adobe, NewTek, etc.

May be repeated for credit.
**General Electives**

available in Launch (online learning)  Weighted  Gold Medallion course  Potential to earn college credit  Off Campus

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**Marching Auxiliary**

Course ID: MUS102  Credit: .5  Grade Level: 9, 10, 11, 12
Prerequisite: Audition (Note: No prior experience is necessary; however, audition is required.)

*Course Description:* This course is designed to help students involved in marching band auxiliaries to develop skills and perform routines. Performances are a requirement of this class. Audition required.

**AVID 9 (Advancement Via Individual Determination)**

Course ID: GEN108  Credit: 1  Grade Level: 9
Prerequisite: Application and interview or currently enrolled in the program

*Course Description:* The 9th grade AVID course is an elective class for students who are college bound. While concurrently enrolled in an Honors course, students learn strategies to enhance success. Students will learn time management, practice goal-setting skills, create a four-year academic plan, demonstrate note-taking skills, work effectively in collaborative groups, and learn strategies for test preparation. Students will also participate in tutor-led collaborative groups. In order to take AVID, students must apply, interview, and be accepted into the AVID program.

**AVID 10 (Advancement Via Individual Determination)**

Course ID: GEN207  Credit: 1  Grade Level: 10
Prerequisite: Application and interview or currently enrolled in the program

*Course Description:* The 10th grade AVID course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. They will strengthen their skills in writing, inquiry, collaboration, organization, and reading. To ensure success in college-prep course work, students work individually, as well as in tutor-led collaborative groups. In order to take AVID, students must apply, interview, and be accepted into the AVID program.

**AVID 11 (Advancement Via Individual Determination)**

Course ID: GEN316  Credit: 1  Grade Level: 11
Prerequisite: Application and interview or currently enrolled in the program

*Course Description:* The 11th grade AVID course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. To ensure success in college-prep course work, students work individually, as well as in tutor-led collaborative groups. Note-taking, outlining, writing, speaking, reading, test-taking strategies, and self-awareness are stressed. In addition, the course includes college motivational and career exploration activities. In order to take AVID, students must apply, interview and be accepted into the AVID program.
**AVID 12** (Advancement Via Individual Determination)

Course ID: GEN507  
Credit: 1  
Grade Level: 12  
Prerequisite: Application and interview or currently enrolled in the program

**Course Description:** The 12th grade AVID course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. To ensure success in college-prep course work, students work individually, as well as in tutor-led collaborative groups. Note-taking, outlining, writing, speaking, reading, test-taking strategies, and self-awareness are stressed. In addition, the course includes college preparation and career exploration activities. In order to take AVID, students must apply, interview, and be accepted into the AVID program.

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**College Introduction to Teaching**

Course ID: GEN509  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Child Development I and II strongly suggested

**Course Description:** This course is designed to explore the skills needed to become a teacher in the 21st century. From historical contexts to communicative/social skills, students will understand and acquire the tools needed to implement state and district curriculum, to develop lesson plans and developmentally appropriate practices that will build a strong foundation for one's future as part of the education community.

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**Peer Mentor**

Course ID: GEN317  
Credit: 1  
Grade Level: 10*, 11, 12  
Prerequisite: Application and interview or currently enrolled in the program.  
* 10th graders can enroll with teacher recommendation.

**Course Description:** Peer mentors will become familiar with the specific routines and expectations of each AVID teacher's classroom and provide academic support for AVID students in rigorous courses assisting students in the successful completion of college eligibility requirements and in becoming college-ready. Peer mentors will receive 16-hours of tutorial training in AVID methodologies to facilitate the AVID tutorial learning process. Students agree to commit to remain enrolled as a Peer Mentor for the full academic year.

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**Personal Finance**

Course ID: GEN310  
Credit: .5  
Grade Level: 10, 11, 12  
Prerequisite: None

**NOTE:** Missouri requires Personal Finance be passed prior to graduation.

**Course Description:** This course is designed to provide students with a working knowledge of the multitude of personal, business, and family records used by consumers. This course provides students with a foundation for managing their money, investments and taxes, consumer spending, planning for savings, evaluating insurance and housing needs, and understanding financial markets such as stocks, bonds, and mutual funds. Completion of WorkKeys assessment is a requirement for this course.

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**ACT Prep and College Transitions**

Course ID: GEN202  
Credit: .5  
Grade Level: 10, 11, 12  
Prerequisite: None

**Note:** Students not scoring at least a 22 on ACT or 990 on SAT are highly encouraged to enroll in the ACT Prep & College Transitions course.

**Course Description:** This course introduces students to the concepts of (including but not limited to): time management and goal setting, career interest exploration, college search, how to pay for college, college application portfolio, and ACT/SAT test preparation. It is recommended for all students who are planning to attend college. If the instructor is a certified Practical Arts teacher, students may request this course to count as a Practical Art credit. Otherwise, this course will count as a General Elective credit. This course is not recognized by the NCAA Clearinghouse as a core course for the purposes of college athletic eligibility. **May be repeated for credit.**
**Stagecraft**

Course ID: GEN203  
Credit: 1  
Grade Level: 10, 11, 12

Prerequisite: Theater I

**Course Description:** Students will be introduced to the elements of set design, basic set construction, lighting design, and design implementation. This will include sound elements and operation of the current sound equipment. Students will be involved in the design stages in each area of study and will be expected to be active participants in all implementation phases of the class. There will be many opportunities for hands-on experience throughout the course. *May be repeated for credit.*

**Adaptive Physical Education Assistant**

Course ID: SPS300  
Credit: .5  
Grade Level: 11, 12

Prerequisite: Application

**Course Description:** Students will assist class members who are developmentally disabled. Assistants will help with all class activities. *May be repeated for credit.* (This is a General Elective credit, not a PE credit.)

**Leadership**

Course ID: GEN303  
Credit: 1  
Grade Level: 11, 12

Prerequisite: Application

**Course Description:** Emphasis of the class will be on developing personal leadership skills and understanding group processes. Self-evaluation, organizational skills, and effective communication and public relations will be stressed. *May be repeated for credit.*

**AP Seminar**

Course ID: RES302  
Credit: 1  
Grade Level: 11, 12

Prerequisite: None

**Course Description:** In this course, students will examine materials like news stories, research studies, and literary works so they can craft arguments to support points of view and communicate them effectively through the use of various media. This course is required for the Gold Medallion Honors Diploma. The curriculum will include research skills, interview skills, primary/secondary source identification and use, citing sources in oral presentations, research topic selection, essential question development, and research proposal preparation. Students pursuing the Gold Medallion Diploma must earn a grade of B or above each semester.

**AP Research**

Course ID: RES303  
Credit: 1  
Grade Level: 11, 12

Prerequisite: AP Seminar

**Course Description:** AP Research is designed to allow you to dive into an academic topic, problem, or issue of individual interest. You will further develop the skills you acquired in the AP Seminar course by understanding research methods; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. The course culminates in an academic paper of 4,000-5,000 words and a presentation with an oral defense during which you will answer questions about your academic paper. In the AP Research course, you will employ research and inquiry methodology to develop, manage, and conduct an in-depth study or investigation of an area of student’s own interest, culminating in a 4,000-5,000 word paper. You will also present (using appropriate media), and defend the research design, approach, and findings. Finally, you will document and reflect upon the research process and communication with mentor using a research log.

AP Research is the second course required to earn the AP Capstone diploma. This course can count as your 12th grade ELA graduation requirement.
Off Campus Programs: Career and Technical Education Center

Transportation, Distribution, and Logistics

Practical Arts courses.

Note: All CTEC programs are by application and approval. Applications are available in the Counseling offices.

As part of this program, students will have the opportunity to earn .5 English credit and .5 Math credit for each year they attend. These credits will appear on transcripts as Technical English and Technical Math. The assignments will correlate with what they are doing in class, and in most cases, they are already integrated into each program.

Automotive Technology I

Course ID: STC301  Credit: 3  Grade Level: 11, 12
Prerequisite: Ability and intent to enter field of auto service as a career

Course Description: This is a prerequisite course designed to provide students with the first four of the eight lesson areas of NATEF’s MLR standards along with the required supplemental tasks. The areas covered in year one are supplemental tasks (safety), Suspension and Steering systems, Brakes, Electrical/Electronic systems, and Engine Repair. This course is designed to provide the student with fundamentals of operation, service, maintenance, and light repair of modern automobiles in these areas. This course is the first step in preparing students to become maintenance and light repair technicians at dealers and independent shops. This course is also focused on moving students into a post-secondary institution. This course will follow N.A.T.E.F. guidelines and is accredited at the MLR level by the National Automotive Technicians Education Foundation.

Automotive Technology II

Course ID: STC500  Credit: 3  Grade Level: 12
Prerequisite: Automotive Technology I; Ability and intent to enter field of auto service as a career

Course Description: This course is the continuation of Automotive Technology I and is designed to provide students with the final four of the eight lesson areas of NATEF’s MLR standards. The areas covered in year two are supplemental tasks (safety), Manual Drive Train and Axles, Automatic Transmissions, Engine Performance, and Heating and Air Conditioning Systems. This course is designed to provide the student with fundamentals of operation, service, maintenance, and light repair of modern automobiles in these areas. This course is the next step in preparing students to become maintenance and light repair technicians at dealers and independent shops. It follows the N.A.T.E.F. guidelines and is accredited at the MLR level by the National Automotive Technicians Education Foundation.
Automotive Technology III
Course ID: STC501 Credit: 3 Grade Level: 12
Prerequisite: Automotive Technology I and CONCURRENT enrollment in Automotive Technology II. This course will help provide the ability and intent to enter the field of auto service as a career.

Course Description: Strong leadership skills are mandatory for this course. Expectations include shop management, tool room management, and peer tutoring. Advanced shop practices, entrepreneurial skills, and shop performance are targeted skills. These students will be selected based on instructor interview.

Technical English Language Arts (embedded credit)
Course ID: ECM323 Credit: .5 Grade Level: 11, 12
Prerequisite: Concurrent enrollment in CTEC Automotive Technology or Information Technology

Course Description: Students participating in the two-year Automotive Technology program or the two-year Information Technology program at the Career and Technical Education Center (CTEC) will receive 0.25 English Language Arts credits as embedded credits for each successfully completed semester in either the Automotive Technology program or the Information Technology program. Embedded credit is not for additional coursework, rather it is earned as a result of the extensive rigorous English Language Arts required to successfully complete the Automotive Technology program or the Information Technology program.

Technical Mathematics (embedded credit)
Course ID: ECM312 Credit: .5 Grade Level: 11, 12
Prerequisite: Concurrent enrollment in CTEC Automotive Technology or Information Technology

Course Description: Students participating in the two-year Automotive Technology program or the two-year Information Technology program at the Career Technical and Education Center (CTEC) will receive 0.25 Technical Mathematics credits as embedded credits for each successfully completed semester in either the Automotive Technology program or the Information Technology program. Embedded credit is not for additional coursework, rather it is earned as a result of the extensive rigorous Mathematics required to successfully complete the Automotive Technology program or the Information Technology program.
Off Campus Programs: MCC – Business & Technology Center

General Elective courses.

Note: Programs are by application and approval. Applications are available in the Counseling offices.

MCC-Business & Technology and area high schools developed the Early College Program for students eager to build skills in the high-demand technical career fields.

College Automation of Industrial Machines I

Course ID: BTC316  Credit: 3  Grade Level: 11, 12
Prerequisite: None

Course Description: Industrial automation technologies are the "invisible hands" that make modern life possible. They ensure the smooth, efficient functioning of manufacturing production processes. They install, test, repair, and adjust electrical machinery and electrical control equipment to detect and prevent problems that could cost manufacturers millions of dollars in lost production time. This program will introduce you to basic electrical principles, safety, print reading, motor controls, and programmable logic controllers – the devices that are at the heart of modern automation systems. You will also use your new skills to build a photovoltaic or solar system. Students learn about electrical theory and print reading, hydraulics and pneumatics, electric motor controls, workplace safety, drafting principles, entrepreneurship, and more.

College Automation of Industrial Machines II

Course ID: BTC317  Credit: 3  Grade Level: 12
Prerequisite: College Automation of Industrial Machines I

Course Description: Industrial technicians repair, test, adjust, install, or maintain electronic equipment, such as industrial controls, transmitters, and antennas. They repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. Students learn about electrical theory and print reading, hydraulics and pneumatics, electric motor controls, workplace safety, drafting principles, entrepreneurship, and more. In the Industrial Technology Early College track you will earn:

- 39-42 college credits
- OSHA 10-hour card
- CPR Certificate
- OSHA Electrical Safety
- Industrial Technology Level I Certificate
- OSHA Machine Guarding
**College Computer Integrated Machining & Manufacturing I**

Course ID: BTC314  
Credit: 3  
Grade Level: 11, 12  
Prerequisite: None

**Course Description:** Computer Integrated Machining and Manufacturing workers use manual lathes, manual mills, and computer numerical control (CNC) equipment to manufacture precision metal parts. This program, designed by MCC-BT's Precision Machining Consortium industry partners, prepares students to begin a career in manufacturing and machining. In the Engineering Technology Early College track you will earn:

- 39-42 college credits
- OSHA 10-hour card
- CPR Certificate
- Lathe Certificate
- NIMS Certificates
- OSHA Machine Guarding

**College Computer Integrated Machining & Manufacturing II**

Course ID: BTC315  
Credit: 3  
Grade Level: 12  
Prerequisite: College Computer Integrated Machining & Manufacturing I

**Course Description:** Computer Integrated Machining and Manufacturing workers use manual lathes, manual mills, and computer numerical control (CNC) equipment to manufacture precision metal parts. This program, designed by MCC-BT's Precision Machining Consortium industry partners, prepares students to begin a career in manufacturing and machining. In the Engineering Technology Early College track you will earn:

- 39-42 college credits
- OSHA 10-hour card
- CPR Certificate
- Lathe Certificate
- NIMS Certificates
- OSHA Machine Guarding

**College CSIS-CISCO I**

Course ID: BTC318  
Credit: 3  
Grade Level: 11, 12  
Prerequisite: None

**Course Description:** Cisco Systems is the world leader in networking for the internet. Cisco networking technicians and professionals design, build, maintain and troubleshoot computer network systems. Graduates can work anywhere computer networks are used (LANs or WANs). These include corporations, offices, banks, hospitals, schools and all levels of government. Certification is the key to this field. The more credentials the better. Our certificates and degrees prepare you to pass Cisco certification exams for network associate (CCNA), network professional (CCNP) or network associate-security (CCNA-Security). The associate’s degree includes certification courses as well as other computer and gen ed courses for transfer. CCNA is the foundation certificate. CCNP builds on that with more complex network configurations, diagnosis and troubleshooting. “Security” adds core security skills to CCNA. In the CSIS CISCO Early College track you will earn:

- 51 college credits
- OSHA certificates - 10-hour card, CPR, and Electrical Safety
- CSIS Certificates
  - Computer and User Support
  - CCENT and CCNA
  - CCNA and Technology
  - CCNA and Security
College CSIS-CISCO II

Course ID: BTC319  
Credit: 3  
Grade Level: 12  
Prerequisite: College CSIS-CISCO I

**Course Description:** Cisco Systems is the world leader in networking for the internet. Cisco networking technicians and professionals design, build, maintain and troubleshoot computer network systems. Graduates can work anywhere computer networks are used (LANs or WANs). These include corporations, offices, banks, hospitals, schools and all levels of government. Certification is the key to this field. The more credentials the better. Our certificates and degrees prepare you to pass Cisco certification exams for network associate (CCNA), network professional (CCNP) or network associate-security (CCNA-Security). The associate’s degree includes certification courses as well as other computer and gen ed courses for transfer. CCNA is the foundation certificate. CCNP builds on that with more complex network configurations, diagnosis and troubleshooting. "Security" adds core security skills to CCNA. In the CSIS CISCO Early College track you will earn:

- 51 college credits
- OSHA certificates - 10-hour card, CPR, and Electrical Safety
- CSIS Certificates
  - Computer and User Support
  - CCENT and CCNA
  - CCNA and Technology
  - CCNA and Security

College Engineering Technology I

Course ID: BTC305  
Credit: 3  
Grade Level: 11, 12  
Prerequisite: None

**Course Description:** Engineering technicians work hand-in-hand with engineers, technologists, industrial designers, and production specialists to design, create, and manufacture almost anything you can imagine. Engineering technicians and drafters focus on applying software, technology, and industry knowledge to projects, whereas engineers focus on theoretical thinking. Engineering technicians and drafters work with engineers, designers, physical scientists, or planners to design processes, places, or products. Students learn about engineering graphics and computer aided design, electrical theory, workplace safety, Revit, Solid Works, and Inventor software packages, entrepreneurship, and more. This program will give you solid foundational skills in computer-aided drafting and design (CADD), parametric modeling, prototyping and residential design. In the Engineering Technology Early College track you will earn:

- 39-42 college credits
- OSHA 10-hour card
- CPR Certificate
- OSHA Electrical Safety
- Computer Aided Drafting Certificate

College Engineering Technology II

Course ID: BTC306  
Credit: 3  
Grade Level: 12  
Prerequisite: College Engineering Technology I

**Course Description:** Engineering technicians work hand-in-hand with engineers, technologists, industrial designers, and production specialists to design, create, and manufacture almost anything you can imagine. Engineering technicians and drafters focus on applying software, technology, and industry knowledge to projects, whereas engineers focus on theoretical thinking. Engineering technicians and drafters work with engineers, designers, physical scientists, or planners to design processes, places, or products. Students learn about engineering graphics and computer aided design, electrical theory, workplace safety, Revit, Solid Works, and Inventor software packages, entrepreneurship, and more. This program will give you solid foundational skills in computer-aided drafting and design (CADD), parametric modeling, prototyping and residential design. In the Engineering Technology Early College track you will earn:

- 39-42 college credits
- OSHA 10-hour card
- CPR Certificate
- OSHA Electrical Safety
- Computer Aided Drafting Certificate
College Heating, Ventilation & Air-Conditioning I

Course ID: BTC312  Credit: 3  Grade Level: 11, 12
Prerequisite: None

Course Description: In the Heating, Ventilation and Air-Conditioning track, you will work with the same equipment you’ll use on the job while installing and maintaining the efficiency of climate control systems in residences and commercial settings. Students will learn how to install, service and maintain climate control systems, as well as mechanical, electrical, and electronic components in heating and cooling equipment. Students will also work on furnaces, air-conditioners, refrigeration units, heat pumps and boilers, develop a mind-set for safety at work and learn how to troubleshoot problems. Our advanced certificate includes courses that students can use to transfer and pursue a bachelor’s degree. The HVAC program also prepares students to take and pass EPA 608 refrigerant certification as well as the industry recognized HVAC Excellence Certifications. In Heating, Ventilation, and Air-Conditioning Early College track you will earn:

- 39-42 college credits
- OSHA 10-hour card
- CPR Certificate
- OSHA Electrical Safety
- HVAC Job Ready Certificate

College Heating, Ventilation & Air-Conditioning II

Course ID: BTC313  Credit: 3  Grade Level: 12
Prerequisite: College Heating, Ventilation & Air-Conditioning I

Course Description: In the Heating, Ventilation and Air-Conditioning track, you will work with the same equipment you’ll use on the job while installing and maintaining the efficiency of climate control systems in residences and commercial settings. Students will learn how to install, service and maintain climate control systems, as well as mechanical, electrical, and electronic components in heating and cooling equipment. Students will also work on furnaces, air-conditioners, refrigeration units, heat pumps and boilers, develop a mind-set for safety at work and learn how to troubleshoot problems. Our advanced certificate includes courses that students can use to transfer and pursue a bachelor’s degree. The HVAC program also prepares students to take and pass EPA 608 refrigerant certification as well as the industry recognized HVAC Excellence Certifications. In Heating, Ventilation, and Air-Conditioning Early College track you will earn:

- 39-42 college credits
- OSHA 10-hour card
- CPR Certificate
- OSHA Electrical Safety
- HVAC Job Ready Certificate

College Welding

Course ID: BTC320  Credit: 3  Grade Level: 11, 12
Prerequisite: None

Course Description: This welding program will teach shielded metal arc welding, MIG welding, TIG welding, pipe welding, flame cutting and plasma cutting. Your coursework, working toward an Associate's Degree, will include interpreting blueprints, electrical fundamentals, welding metallurgy and American Welding Society electrode classifications. You will use equipment and techniques used in the industry and build a foundation to enter the workforce. Our programs prepare students for AWS Level I and Level 2 certification. You can work as a welder, fabricator, maintenance welder, MIG/TIG welder, inspector, manager, salesperson, engineer, pipefitter and much more. 39-42 college credits, OSHA 10-hour card, CPR Certificate, OSHA Electrical Safety, NIMS Certificates, OSHA Machine Guarding.
## Off Campus Programs: Northland CAPS

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*Note: Programs are by application and approval. Applications are available in the Counseling offices. Students must provide their own transportation for this program.*

### Digital Media and Design

- **Course ID:** NCS105
- **Credit:** 3
- **Grade Level:** 11, 12
- **Prerequisite:** None

**Course Description:** This course is designed for the creative/artistic student who is interested in exploring careers in Digital Media. The strand is divided into four sub strands: graphic design, digital photography, video production, and audio production. Students will meet professionals for the four sub strands, visit and work with them using professional tools and computer programs, applying skills and techniques on latest professional editing software. Here you can learn the different concepts and professional skills which coincide with different professions. Some career paths for those in this field are: animator, logo designer, digital photographer, sound and mixing engineers, theater performance, video editor, camera operator, and director.

### Engineering and Advanced Manufacturing

- **Course ID:** NCS101
- **Credit:** 3
- **Grade Level:** 11, 12
- **Prerequisite:** None

**Course Description:** This course is designed for students who are interested in working hands-on to produce products, developing solutions to complex problems, learning 2D and 3D software programs, and gaining professional skills. Students should be willing to explore different types of engineering and manufacturing positions. Apply lean manufacturing processes that create value for customers and drive out the waste in production. Students experience hands-on, active learning with full immersion in real-world projects sponsored by business partners. Students work in multi-disciplinary teams to provide innovative solutions to a company's real-world problems. Engineering projects are tailored to student interest in the fields of chemical, electrical, mechanical, civil, environmental, software/computer, architectural, advanced manufacturing, robotics, biological, and environmental.

### Global Business and Logistics

- **Course ID:** NCS106
- **Credit:** 3
- **Grade Level:** 11, 12
- **Prerequisite:** None

**Course Description:** This course is designed for students who are interested in an ever-changing world, where business and marketing decisions must adapt to the global economy, many times resulting in global expansion of the business. Students partner with local, regional, national, and international businesses to produce marketing plans, advertising and promotional plans, customer research, social media plans, event management, and strategic plans. Students will be introduced to domestic and global business operations, economic and cultural factors, political systems, and a survey of marketing within the global economy. Students will experience working with mentors and businesses that organize, plan and manage people, facilities, and supplies. You will learn a set of skills that will allow you to effectively streamline the flow of materials, finances, and information for a company.
**Medicine and Healthcare**

Course ID: NCS102  
Credit: 3  
Grade Level: 11, 12  
Prerequisite: None

**Course Description:** This 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.

**Technology Solutions**

Course ID: NCS100  
Credit: 3  
Grade Level: 11, 12  
Prerequisite: None

**Course Description:** This course 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.
Off Campus Programs: Northland Career Center (NCC)

Practical Arts courses.

Note: This program is by application and approval. All students must shadow before applications will be reviewed. Applications are available in the Counseling offices.

**English Credit:** Students will meet as a class with the Language Arts Teacher approximately four times a semester to earn .5 credits per year. Lessons and projects will be geared toward improving English skills that will make students more successful for a future career in that particular program. Therefore, plans will include significant input from course instructors while being aligned with standards from the Common Core.

**Math Credit:** The math credit (.5 credits per year) will be embedded within the regular schedule of the program. Lessons and projects will be geared toward improving math skills that will make students more successful for a future career in that particular program. Therefore, plans will include significant input from course instructors while being aligned with standards from the Common Core.

Students must provide their own transportation home from the high school (if attending the afternoon session) because the schedule for the NCC program extends outside the normal school day. Buses for the afternoon session return as late as 3:15 p.m. to the high school. The school district cannot provide transportation home for the high school students wishing to enroll in the afternoon NCC session.

Agriculture, Food, and Natural Resources

**Agricultural Sciences – Plant Systems**

Course ID: STC135 Credit: 3 Grade Level: 11, 12

Prerequisite: Algebra I, Basic Science and Reading Level: 10th grade +

Note: 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 Animal Systems. 2020-21 school year Plant Systems class is offered in the PM.

**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. Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agronomic, forestry, and horticultural industries. Students will discover the value of plant production and its impact on the individual, the local, and the global economy. Students will work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists, face in their respective careers. 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: · Worlds of Opportunity · Mineral Soils · Soiless Systems · Anatomy and Physiology · Taxonomy · The Growing Environment · Plant Reproduction · Surviving a Harsh Environment · Crop Production and Marketing

**Credit Type Earned:**

**Optional:** Three (3) hours of dual credit through State Fair Community College.
Agricultural Sciences – Animal Systems
Course ID: STC136  Credit: 3  Grade Level: 12
Prerequisite: Algebra I, Basic Science and Reading Level: 10th grade +

Note: Class rotates AM/PM sessions each year. 2019-20 school year Animal Systems class is offered in the PM.
Course Description: 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.
Credit Type Earned: The Missouri Graduation Requirements allow students that have attended a CTE program for two years to utilize their final year of credit as follows: one credit of science or math, one credit of technology or practical art, and one credit of elective.
Optional: Three (3) hours of dual credit through State Fair Community College.

Architecture & Construction

Construction Technology I
Course ID: STC103  Credit: 3  Grade Level: 11, 12
Prerequisite: 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.

Course Description: 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.

Construction Technology II
Course ID: STC104  Credit: 3  Grade Level: 12
Prerequisite: Construction Technology I (C or better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation

Course Description: The program provides advanced instruction on the construction of a house or 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 codes and building techniques. The completion of Construction Technology I & II will provide opportunities for employment in residential or commercial construction.
Credit Type Earned: The Missouri Graduation Requirements allow students that have attended a CTE program for two years to utilize their final year of credit as follows: 1 credit of math, 2 credits of elective.
Optional: Twelve (12) hours of college credit is available through Missouri Western State University after completing two years at NCC. Thirteen (13) hours of college credit by exam is available through Ranken Technical College after completing two (2) years at NCC. Advanced wage scale placement is available in the Construction Apprenticeship Program.
Hospitality and Tourism

Culinary Arts I

Course ID: STC100 Credit: 3 Grade Level: 11, 12
Prerequisite: Able to lift 50 pounds from the floor to a table; 9th grade math level; and access to the Internet from home.

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 cook’s helper in the pre-preparation of meals. An understanding of multiplication, division, addition, and subtraction of fractions and decimals, percentages, volume, and weight measurement is essential.

Optional: Seven (7) hours of articulated credit is available through JCCC after completing 2 years and earning the Certified Junior Culinarian Certification. Three (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.

Culinary Arts II

Course ID: STC101 Credit: 3 Grade Level: 12
Prerequisite: Culinary Arts I (C or better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation.

Course Description: 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.

Optional: Seven (7) hours of college credit by exam is available through Johnson County Community College (JCCC) after completing two (2) years of Culinary Arts and earning the American Culinary Federation Certified Fundamentals Cook or Pastry Cook Certification. Three (3) hours of dual credit is also available through JCCC after completing 2 years of Culinary Arts. Three (3) hours of dual credit is available through the CIA after completing 2 years. Students may earn their ServSafe Protection Certificate through the National Restaurant Association.
Health Sciences

Health Sciences I

Course ID: STC105  
Credit: 3  
Grade Level: 11, 12

Prerequisite: 
Student must: have a Social Security number, pass state criminal background check, and not be on the state employment disqualification list. Student is 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 offsite 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 clinical sites and at this point must provide their own transportation. Students desiring to earn their 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.

Note: This is a one or two-year program.

Course Description: The first year of Health Sciences 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.

Health Sciences II

Course ID: STC106  
Credit: 3  
Grade Level: 12

Prerequisite: 
Students must have a Health Sciences 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 will participate in 6 different medical related internships throughout the year. NCC will work to provide internships related to the student’s interest, but cannot guarantee an exact match. Students must provide their own transportation while on internship.

Note: This course is only offered during the PM session.

Course Description: 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. Students will be responsible for documenting their clinical internship/work experience hours for their instructor.
Human Services

Teaching Professions I

Course ID: STC107  Credit: 3  Grade Level: 11, 12
Prerequisite: 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.

Course Description: This course offers offsite 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 and First Aid training, employability skills, instructional practices, assessments, and behavior management.

Optional: Four (4) hours of Dual Credit is available through Missouri Western State University.

Teaching Professions II

Course ID: STC127  Credit: 3  Grade Level: 12
Prerequisite: Teaching Professions I (C or better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation. The same prerequisites as Teaching Professions I apply.

Course Description: 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 offsite 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.

Optional: Up to four (4) hours of Dual Credit is available through Missouri Western State University. Some hours may be taken as a junior.

Teaching Professions One-Year-Certificate

Course ID: STC118  Credit: 3  Grade Level: 12
Prerequisite: 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.

Course Description: This course offers onsite training and the opportunity for offsite 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 Teaching Professions 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.)

Optional: Up to four (4) hours of Dual Credit is available through Missouri Western State University.
**Information Technology**

**IT Professionals I**

Course ID: STC130  
Credit: 3  
Grade Level: 11, 12  
Prerequisite: Keyboarding or equivalent; "minimum" academic levels in 10th grade writing and math.

*Note: This is a one or two-year program.*

**Course Description:** First year students will concentrate on Hardware, Software, and Networking. This includes computer repair and troubleshooting PCs and operating systems. Students will work towards earning their 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 can work independently.

**Optional:** Six (6) hours of college credit is available through Metropolitan Community College.

**IT Professionals II**

Course ID: STC131  
Credit: 3  
Grade Level: 12  
Prerequisite: IT Professionals I (C or better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation.

*Note: Three (3) units of credit earned: 1 unit of Mathematics, 1 unit of Technology, 1 unit of Elective). There is an embedded .5 senior English credit.*

**Course Description:** 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.

**Optional:** Up to 17 hours of college dual credit is available through Metropolitan Community College – some may be taken as a junior. Twelve (12) hours of college credit is available through Missouri Western State University after completing two (2) years at NCC. Six (6) hours of college credit may be earned through State Technical College of Missouri after completing two (2) years. Twenty-nine (29) hours of college credit by exam is available through Ranken Technical College after completing two (2) years of IT Professionals.

**Law, Public Safety, Corrections, and Security**

**Law Enforcement/Crime Scene Investigation I**

Course ID: STC109  
Credit: 3  
Grade Level: 11, 12  
Prerequisite: 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.

**Course Description:** LE/CSI provides an introduction to the criminal justice system with emphasis on crime scene investigation. Topics covered are: crime scene and accident investigation, professional ethics and leadership, U.S. 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.

**Law Enforcement/Crime Scene Investigation II**

Course ID: STC110  
Credit: 3  
Grade Level: 12  
Prerequisite: Law Enforcement/Crime Scene Investigation I (C or better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation.

**Course Description:** LE/CSI 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 U.S. Constitutional Law and its applications to the criminal justice system as a social rule.

**Optional:** Five (5) hours of college credit is available through MCC after competing two years of LE/CSI.
### Transportation, Distribution, and Logistics

#### Aviation Technology I
- **Course ID:** STC129  
- **Credit:** 3  
- **Grade Level:** 11, 12  
- **Prerequisite:** Mechanical aptitude

**Course Description:** 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.

#### Aviation Technology II
- **Course ID:** STC132  
- **Credit:** 3  
- **Grade Level:** 12  
- **Prerequisite:** Aviation Technology I (C or better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation

**Course Description:** This program prepares students for continued education towards an Associate’s Degree and/or an Airframe and Powerplant Certification. Students may also enter immediate employment following their 2-year program. Internship opportunities their 2nd semester of their senior year are available for qualified candidates.

**Credit Type Earned:** The Missouri Graduation Requirements allow students that have attended a CTE program for two years to utilize their final year of credit as follows: 1 credit of science or math, 1 credit of technology, 1 credit of elective.

#### Diesel Technology I
- **Course ID:** STC115  
- **Credit:** 3  
- **Grade Level:** 11, 12  
- **Prerequisite:** None

*Note: For the 2020-21 school year, this class is offered in the AM.*

**Course Description:** Instruction will include a basic concept of diesel engine theory, general shop safety practices, basic hand tools, common fasteners, shop equipment, precision measuring devices, identifying, assembling, and reassembling component parts. Introduction to various fuel systems, cooling systems, lubricating systems, failure analysis, preventative maintenance, and electrical systems are studied.

**Optional:** Fifteen (15) hours of credit by exam is available through STCM after completing 2 years of Diesel Technology.

#### Diesel Technology II
- **Course ID:** STC116  
- **Credit:** 3  
- **Grade Level:** 12  
- **Prerequisite:** Diesel Technology I (C or better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation

*Note: For the 2020-21 school year, this class is offered in the PM.*

**Course Description:** 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. It will also include an introduction to welding and automotive air conditioning basic theory.

**Optional:** Fifteen (15) hours of credit by exam is available through STCM after completing 2 years of Diesel Technology.
### Manufacturing

#### Heating, Cooling & Climate Control I

**Course ID:** STC137  
**Credit:** 3  
**Grade Level:** 11, 12  
**Prerequisite:** Recommended: Algebra I, Physics, Drafting, Physical Science, and Basic Electricity

**Course Description:** 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.

#### Heating, Cooling & Climate Control II

**Course ID:** STC138  
**Credit:** 3  
**Grade Level:** 12  
**Prerequisite:** Heating, Cooling & Climate Control I (C or better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation

**Course Description:** 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. Psychometrics for residential and commercial HVAC-R, 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.

**Optional:** Twelve (12) hours of college credit is available through Missouri Western State University after completing two (2) years of HCCC. Advanced wage scale placement is also available in the Pipe Fitter Apprenticeship Program.

#### Industrial Welding I

**Course ID:** STC113  
**Credit:** 3  
**Grade Level:** 11  
**Prerequisite:** 9th grade math level; previous drafting classes desirable

**Course Description:** 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.

**Optional:** 9 hours of dual credit is available through MCC. American Welding Society Level I SENSE Training Certification: GMAW and SMAW processes.
**Industrial Welding II**

Course ID: STC114  
Credit: 3  
Grade Level: 12

Prerequisite: Industrial Welding I (C or better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation

**Course Description:** 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.

**Optional:** Up to 18 hours of dual credit is available through MCC – some may be taken as a junior. American Welding Society Level 1 SENSE Training Certification: GMAW, SMAW, FCAW, and GTAW processes. One (1) hour of college credit by exam is available through MCC – some may be taken as a junior. Twelve (12) hours of articulated college credit is available through MWSU after completing two (2) years at NCC. Fifteen (15) hours of college credit by exam is available through Ranken Technical College after completing two (2) years of Industrial Welding. Advanced wage scale placement is also available in the Ironworkers Apprenticeship.

**Industrial Welding One-Year Certificate**

Course ID: STC121  
Credit: 3  
Grade Level: 12

Prerequisite: 9th grade math level; previous drafting classes desirable

**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 concentrate on the areas listed below:

- Complete General Safety based testing on 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 and without filler metal, groove, and fillet test plates
- Complete performance-based testing for Thermal Cutting Processes, i.e., OAW and 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 two (2) 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.

**Optional:** Nine (9) hours of dual credit is available through MCC. American Welding Society Level I SENSE Training Certification: GMAW and SMAW processes. FCAW and GTAW if time allows.

**Production Technologies I**

Course ID: STC133  
Credit: 3  
Grade Level: 11, 12

Prerequisite: None

**Course Description:** This 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 Northland Career Center, but students will spend one day a week at Metropolitan Community College Business & Technology Campus in order to utilize a variety of their lab space and equipment and assist students in choosing the manufacturing career that is right for them. Students will also visit industries located in the Northland as a part of career exploration.

**Optional:** Ten (10) hours of college dual credit is available through MCC.
Production Technologies II

Course ID: STC134  Credit: 3  Grade Level: 12
Prerequisite: 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.

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. Student may earn a Manufacturing Technician I Certification or Manufacturing Specialist Certification and OSHA 10 Certification. This program is located at the Northland Career Centre.

Optional: Up to 24 hours of college dual credit is available through MCC, some may be taken as a junior.
Career Paths and Clusters

Career Paths
Missouri has identified six Career Paths as a way to help students become aware of and explore careers in a logical and meaningful way.

Career Clusters
Missouri uses 16 Career clusters as a way of organizing occupations and careers to assist educators in tailoring rigorous coursework and related activities for all students. The Career Clusters include all occupations, even those not usually found in career and technical education. Career clusters may be used beginning in middle school and can continue as a framework for educational planning through postsecondary education.

Career Cluster Titles
- Agriculture, Food, & Natural Resources
- Architecture & Construction
- Arts, A/V Technology & Communication
- Business, Management, & Administration
- Education & Training
- Finance
- Government & Public Administration
- Health Science
- Hospitality & Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections, & Security
- Manufacturing
- Marketing, Sales, & Service
- Science, Technology, Engineering, & Mathematics
- Transportation, Distribution, & Logistics

Individual Career and Academic Plan
An Individual Career and Academic Plan (ICAP) is related to a Program of Study, but it is customized to reflect the individual student's needs. School organizations and community activities can give students practical experience to hone skills learned in the classroom and develop personal qualities such as leadership and teamwork.

Families, counselors and advisors work together with the student to develop the ICAP. Career development opportunities such as job shadowing, mentoring, and internships help students gain real-world experience and help the students explore career possibilities while still in school.

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

Student Benefit with Career Clusters
- Career Clusters directly links learning today with opportunities to make a living tomorrow.
- See the relevance of education applied to real-world situations.
- Helps all students plan for the future, whatever their interests, abilities, or desires for further education.
- Work-based learning and project-based learning provide hands-on experience in the classroom and in the workplace.
- Learning occurs in a variety of settings using a variety of teaching methods that match different learning styles.
- Encourages opportunities to begin a postsecondary certification or degree program through courses taken for college credit.

Family Benefit with Career Clusters
- More opportunities to learn about their student's career assessments and goals.
- Helps families assist students with course and activity selection to support goals.
- Provides a strong foundation in academic, employability and technical skills.
- Students focus on a goal and who see the connection between coursework and a career are more likely to stay in school.
- Save on tuition when students pursue high school courses with the option to earn college credit.

Knowledge and Skill Statements
Knowledge and skill statements represent the skills and knowledge, both academic and technical, that all students should achieve for a given career area.
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**K. List Alternative Classes:**
- Full Year Choices
- Semester Choices

**L. List Post Secondary Institutions or Colleges you are considering:**
1. 
2. 

**M. Counselor Use Only**
- Diploma: 
- ACT Score: 
- Core GPA: 
- Attendance: 

**Graduation Requirements:** See your counselor to verify specific requirements for each diploma

**N. Student Signature**

**O. Parent Signature**

**P. Phone #1**

**Q. Phone #2**

**Date**