Career Planning & Education Guide 2018-2019

North Kansas City High School
Oak Park High School

Staley High School
Winnetonka High School

For the most updated version view:
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January 4, 2018

Dear Students and Families,

Thank you for taking time to carefully review the information in this guide. It will help you design a personal plan of study 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 our exclusive Gold Medallion Honors Diploma. For students seeking the most challenging coursework, we also offer the prestigious International Baccalaureate Diploma. Only eleven high schools in Missouri offer this option, and North Kansas City Schools is the only district in the Northland to offer its students this exceptional opportunity.

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: http://www.nkcschools.org/secondary-education.

Let there be no missed opportunities.

Make your educational experiences extraordinary by using the 2018-19 Career Planning & Education Guide to explore the world of possibilities that exist for you. North Kansas City Schools will partner with you to create a personal plan of study to help make your goals a reality. We look forward to the journey ahead.

Sincerely,

Dr. Daniel Clemens
Superintendent
High School Personal Plan of Study

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 for the classes of 2019

North Kansas City Schools currently offer four diploma options for graduates:

- **Career/College Readiness Diploma** (26 Credits)
  
  Graduates are recognized as having met entrance requirements for most Missouri universities. Work with your Counselor for more guidance.

- **Gold Medallion Honors Diploma** (26 Credits)
  
  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.

- **International Baccalaureate Diploma Program (IBDP)** (26 Credits)
  
  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)** (26 Credits)
  
  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 Modern 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.
# Credits Required for the Class of 2019

## Paths to Graduation

<table>
<thead>
<tr>
<th>DIPLOMA OPTIONS:</th>
<th>Career/College Readiness</th>
<th>Gold Medallion</th>
<th>IBDP</th>
<th>IBCP</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLISH LANGUAGE ARTS</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>MATHEMATICS</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>SCIENCE</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>SOCIAL STUDIES</td>
<td>3</td>
<td>4</td>
<td>3-4</td>
<td>3-4</td>
</tr>
<tr>
<td>FINE ARTS</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>PRACTICAL ARTS</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>PHYSICAL EDUCATION</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>HEALTH</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
<td>0.5</td>
</tr>
<tr>
<td>PERSONAL FINANCE +</td>
<td>0.5+</td>
<td>0.5+</td>
<td>0.5+</td>
<td>0.5+</td>
</tr>
<tr>
<td>ELECTIVES</td>
<td>8</td>
<td>4</td>
<td>1.5-4</td>
<td>.5-4</td>
</tr>
<tr>
<td>MODERN LANGUAGE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AP SEMINAR and RESEARCH &amp; EXHIBITION ++</td>
<td></td>
<td></td>
<td></td>
<td>1++</td>
</tr>
<tr>
<td>THEORY OF KNOWLEDGE</td>
<td></td>
<td></td>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td>PERSONAL AND PROFESSIONAL SKILLS</td>
<td></td>
<td></td>
<td></td>
<td>1.5-2</td>
</tr>
<tr>
<td>CAREER RELATED STUDY</td>
<td></td>
<td></td>
<td></td>
<td>3-4</td>
</tr>
<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>
</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 Research & Exhibition** - 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 entering 9th grade after July 1, 2017 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.
- A+ Benefits are available with all diploma options when all A+ criteria are met.

## 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.

When deciding which diploma option is best for their **Personal Plan of Study**, each student should consider career goals and entrance requirements of colleges and universities they might attend.
## Career/College Readiness Diploma (26 Credits)

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLISH LANGUAGE ARTS</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>MATHEMATICS</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>SCIENCE</td>
<td>3</td>
<td>Must include Physics, Chemistry, and Biology</td>
</tr>
<tr>
<td>SOCIAL STUDIES</td>
<td>3</td>
<td>Must include World History, US History, and American Citizenship</td>
</tr>
<tr>
<td>FINE ARTS</td>
<td>1</td>
<td></td>
</tr>
<tr>
<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>
</tr>
<tr>
<td>ELECTIVES</td>
<td>8</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>MODERN LANGUAGE</td>
<td></td>
<td>Two credits of Modern Language are strongly recommended, if student’s education plans include enrollment where admission requires two years of the same modern language.</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>26</strong></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 Recreation, 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 (26 Credits)

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.

<table>
<thead>
<tr>
<th>Gold Medallion Honors Diploma</th>
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<tbody>
<tr>
<td><strong>ENGLISH LANGUAGE ARTS</strong></td>
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<tr>
<td><strong>MATHEMATICS</strong></td>
</tr>
<tr>
<td><strong>SCIENCE</strong></td>
</tr>
<tr>
<td><strong>FINE ARTS</strong></td>
</tr>
<tr>
<td><strong>PRACTICAL ARTS</strong></td>
</tr>
<tr>
<td><strong>PHYSICAL EDUCATION</strong></td>
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<tr>
<td><strong>HEALTH</strong></td>
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<tr>
<td><strong>PERSONAL FINANCE</strong></td>
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<tr>
<td><strong>ELECTIVES</strong></td>
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<td><strong>MODERN LANGUAGE</strong></td>
</tr>
<tr>
<td><strong>RESEARCH &amp; EXHIBITION</strong></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
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</table>

*Beginning with the Class of 2020, Research Methods & Exhibition will be replaced by AP Seminar.*

Additional Requirements for Gold Medallion Diploma

- Earn at least a 3.2 grade point average (GPA) or above in all courses in grades 9-12, 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 Modern 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)

- Produce a Senior Exhibition as outlined by Research & Exhibition semesters curricula demonstrating mastery of North Kansas City Schools graduation goals.
- 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 Director of Advanced Studies at (816) 321-4047.
### International Baccalaureate Diploma Program (IBDP) (26+ Credits)

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>Course Area</th>
<th>Credits</th>
<th>Requirements</th>
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</thead>
<tbody>
<tr>
<td><strong>ENGLISH LANGUAGE ARTS</strong> (Language A - native)</td>
<td>4</td>
<td>NKCHS Pre-IB/Honors ELA I, II IB English A HL (two years)</td>
</tr>
<tr>
<td><strong>MATHEMATICS</strong></td>
<td>4</td>
<td>NKCHS Pre-IB/Honors Geometry, NKCHS Pre-IB/Honors Algebra II, IB Pre-Calculus, IB Math Studies SL, IB Calculus, IB Math HL</td>
</tr>
<tr>
<td><strong>SCIENCE</strong> (Experimental Sciences)</td>
<td>4</td>
<td>NKCHS Pre-IB/Honors Physics, NKCHS Pre-IB/Honors Chemistry, NKCHS Pre-IB/Honors Biology, IB Biology or Chemistry SL, IB Environmental Systems and Societies SL, IB Chemistry or Biology HL (two years)</td>
</tr>
<tr>
<td><strong>SOCIAL STUDIES</strong> (Individuals &amp; Societies)</td>
<td>3-4</td>
<td>NKCHS Pre-IB/Honors US History II/Government, NKCHS Pre-IB/Honors World History, IB History HL, IB History SL</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>
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<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>ARTS and ELECTIVES</strong></td>
<td>1.5-4</td>
<td>NKCHS Pre-IB/Honors Art/Design I, II, NKCHS Pre-IB/Honors Theater I, II, IB Visual Arts HL (two years), IB Theater HL (two years), IB Music SL, IB Psychology SL or HL, IB Social and Cultural Anthropology SL, IB Language B SL (third language), IB Biology or Chemistry SL or HL</td>
</tr>
<tr>
<td><strong>MODERN LANGUAGE</strong> (Language B - second)</td>
<td>4</td>
<td>NKCHS Pre-IB/Honors Language B (two years), IB Language B SL (two years)</td>
</tr>
<tr>
<td><strong>THEORY OF KNOWLEDGE</strong></td>
<td>1.5-2</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>26+</td>
<td></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, French, or German.
- Two or three years of experimental sciences. Students will take NKCHS Pre-IB/Honors Physics in grade 9, NKCHS Pre-IB/Honors Chemistry in grade 10, and NKCHS Pre-IB/Honors Biology 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, 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 Modern 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) (26+ Credits)

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.

<table>
<thead>
<tr>
<th>Select One Career Path:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Biomedical:</strong> College Principles of Biomedical Science – PLTW, College Human Body Systems – PLTW, College Medical Interventions – PLTW, College Biomedical Interventions – PLTW</td>
</tr>
<tr>
<td><strong>Computer Science:</strong> AP College Computer Science Principles – PLTW, AP College Computer Science A – PLTW</td>
</tr>
<tr>
<td><strong>Culinary Arts:</strong> Foods for Life, ProStart Foods Level I, ProStart Foods Level II, FACS internship</td>
</tr>
<tr>
<td><strong>Engineering:</strong> 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</td>
</tr>
</tbody>
</table>

Courses in BOLD indicate Diploma Program Courses (at least 2 required)

<table>
<thead>
<tr>
<th>ENGLISH LANGUAGE ARTS</th>
<th>Language A (Pre-IB options)</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NKCHS Pre-IB or English Language Arts I, II (two years); Two Advanced ELA courses (Honors Comp &amp; Lit, AP Lang or Lit, &amp; Coll English); <strong>IB Language A: literature HL</strong> (two years) or Advanced English Language Arts</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MATHEMATICS</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Algebra I; <strong>NKCHS Pre-IB/Honors Geometry or Geometry, NKCHS Pre-IB/Honors Algebra II/Trigonometry or Algebra II/Trigonometry</strong>; One credit of additional advanced math; <strong>IB Pre-Calculus</strong>, IB Math Studies, IB Calculus I/II, IB Mathematics HL</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SCIENCE (Experimental Sciences)</th>
<th>4</th>
</tr>
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<tbody>
<tr>
<td></td>
<td><strong>NKCHS Pre-IB</strong> Physics, Chemistry, Biology I or Physics, Chemistry, Biology I; Physics, Chemistry, Biology; <strong>IB Physics, Chemistry, or Biology SL</strong>; <strong>IB Chemistry or Biology HL or Nature of Science SL (two years)</strong></td>
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<table>
<thead>
<tr>
<th>SOCIAL STUDIES (Individual &amp; Societies)</th>
<th>3-4</th>
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<tbody>
<tr>
<td></td>
<td><strong>NKCHS Pre-IB</strong> World History I, II/Govt or World History I, II/Govt; American Citizenship/AP Government; One elective: AP Psychology, AP US History, AP World History, Psychology, Sociology, or Military History; <strong>IB History SL/HL</strong> (one or two years)</td>
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| FINE ARTS | 1 |
| PRACTICAL ARTS | 1 |
| PHYSICAL EDUCATION | 1 |
| HEALTH | 0.5 |
| PERSONAL FINANCE | 0.5 |

<table>
<thead>
<tr>
<th>ARTS and ELECTIVES</th>
<th>.5-4</th>
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<td><strong>ELA, Modern Language, Social Studies, Science, Math, Fine Arts, Practical Arts; NKCHS Pre-IB Art/Design I, II or Theater Arts I, II; IB Art Design HL, IB Theater Arts HL, IB Psychology SL or HL, IB Social and Cultural Anthropology SL, IB Language B SL (third language), IB Biology, Chemistry, Physics (second experimental science) SL or HL</strong></td>
</tr>
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<tr>
<th>MODERN LANGUAGE or Language B (language acquisition)</th>
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<tbody>
<tr>
<td></td>
<td><strong>NKCHS Pre-IB/Language B or language level I, II (two years); IB Language B SL or HL (two years)</strong></td>
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<tr>
<th>PERSONAL AND PROFESSIONAL SKILLS</th>
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<td><strong>Careers</strong></td>
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<tr>
<th>CAREER RELATED STUDY</th>
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<tbody>
<tr>
<td>TOTAL CREDITS</td>
<td><strong>26+ Credits</strong></td>
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</tbody>
</table>

SL = Standard Level;   HL = Higher Level

Algebra I, Geometry, and Modern 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).
- Two years of a second language in NKCHS Pre-IB/Honors Spanish, French, or German.
- 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 two disciplines and take externally graded examinations.
- 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 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 Modern 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, Dr. DeVries, IB Counselor, at (816) 321-4470 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**

Weighted Courses involve classes designated as Honors and classes which are college level such as Advanced Placement (AP), Dual Credit (DC), or International Baccalaureate (IB). They allow students to take rigorous coursework without adversely affecting class rank. A weighted Grade Point Average (GPA) is only used for class rank purposes and diploma consideration for a student’s transcript. Students taking weighted courses will receive additional distinction points towards class rank.

**Class Rank**

Class rank is based on a student’s weighted GPA for satisfactory completion of Distinguished Achievement Program (DAP) courses. For purposes of Class Rank only, the grading scale of the following courses will be:

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 2019 (Class of 2019) with current grade level 11 is reclassified to 12th grade and graduates May 2018, they will be EXCLUDED from the class rank of the cohort 2018 (Class of 2018).

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. Research & Exhibition for Gold Medallion receives 1.0 distinction point.
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 Dr. Kyle Anderson, Director of Advanced Studies & Academic Excellence at 816-321-4047.

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 or Pre-IB courses may be selected from specially designated offerings at the freshman/sophomore level and from any dual credit, AP, or IB course at the junior/senior level. Ninth graders may begin meeting the Honors requirements for honors graduation by enrolling in one or more Honors courses.

How do I decide?
The decision to enroll in one or more Honors courses is made by students and their parents. The courses are called “Honors” because students are willing to accept the challenge of using their minds well and working hard.

These 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 commitment of study and homework time for each course. Students looking for a challenge and possessing a strong desire to achieve academic excellence should consider the following list of characteristics:

- Always have made A’s or B’s 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: *There will be a requirement for summer reading and possible other summer assignments. Students taking an AP course are expected to take the Advanced Placement Exam during the spring semester.*

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**

- Requires a minimum overall grade-point average of 3.0 (on 4.0 scale).
- Requires juniors and seniors must have scored at the proficient or advanced level on the EOC competency assessment in an area related to the dual credit course. Note: Students who do not have EOC scores may be allowed to substitute their ACT, SAT, ASSET, or other placement score.
- Requires freshmen and sophomores to demonstrate their competency by scoring at the 90th percentile or above on the ACT or SAT.

**Transferability of Credit**

- College and universities may limit the transfer of dual credit to the equivalent of five courses.
- 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.
PLTW pre-engineering program is a sequence of courses, combined with traditional college-readiness mathematics and science courses. It introduces students to the scope, rigor, and discipline of engineering prior to the post-secondary experiences. The program merges academic theory with skills application, critical thinking, and problem solving resulting in high student performance.

The PLTW Biomedical Sciences Program prepares students to take advantage of the tremendous career opportunities available in health and science. The hand-on project-based and problem-based curriculum engages students, allowing 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.

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

**eCampus**

eCampus is North Kansas City Schools' online learning program. Courses offered are identified by the symbol at the bottom of the course description. All courses are taught by experienced district teachers and meet the same national, state, and district standards. Courses can be accessed 24 hours a day, seven days a week, using any computer with Internet access. Canvas is the course management platform used for courses via the Internet. Teachers communicate with students by using a variety of communication tools such as: email, voicemail, discussion boards, blog, and through the virtual classroom. Students enroll during their regular enrollment time with their building counselor. 

https://ecampus.nkcschools.org. The eCampus office can be reached at 816-321-5009.

**Available eCampus Courses**

**English Language Arts**
- American Lit & Comp
- ELA I Lit & Comp
- ELA II Lit & Comp
- Multicultural Lit & Comp

**English Language Arts Electives**
- Creative Writing
- Mythology and Classical Lit & Comp
- Short Story

**Mathematics**
- Algebra I
- Algebra II
- Geometry
- Statistics
- AP Statistics

**Science**
- Biology
- Chemistry
- Physics

**Social Studies**
- American Citizenship
- Psychology
- Sociology
- AP Government Politics US
- World History
- AP World History
- US History
- AP United States History

**Fine Arts**
- Discover the Arts
- Music Appreciation

**General Electives**
- Personal Finance (Grad Req)
- Marine Science ***
- Zoology ***

**Practical Arts**
- Accounting I
- Business Law
- Career Internship
- Computer Applications I
- Intro to Computer Science
- Entrepreneurship
- Marketing Principles
- Self-Development

**Physical Education**
- Health (Grad Req)
- Physical Education

**Modern Language**
- Spanish I

* Health: the online version requires one face-to-face meeting

** Physical Education: the online version requires two face-to-face meetings

*** Taught through the Platte County R-III School District

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.
Online learning takes self-discipline and self-motivation to fully take advantage of the material being presented.

**Online Learning Readiness Self-Assessment**

- I have access to a computer with an Internet connection.
- I have the basic skills to operate a computer.
- I will be committed to working several times a week in my online class.
- I will access my email and check it daily.
- I will be able to remain motivated even though the instructor is not online at all times.
- I understand that regular contact with the instructor is important for success in an online course.
- I understand that frequent participation throughout the learning process is important for success in an online course.
- I understand that establishing a plan for regular study time away from distractions is important for success in an online course.

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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 at least one year of 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.

- Career Internship – see pages 79 and 88 for course description
- Family & Consumer Science Internship – see page 88 for course description
- Marketing Internship – see page 83 for course description

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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.

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

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. 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 the following 2 and 4 year post-secondary institutions: Johnson County Community College, Metropolitan Community Colleges, Missouri Western State University, Ranken Technical College, and State Technical College of Missouri. The actual credit varies from program to program. See your counselor for more information.
**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 the North Central Association of Colleges and Schools or its equivalent. Grades are listed as pass/fail and are not included in high school GPA.

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**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.
**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 interest 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 on pages 28-30.

*For more information please contact Dr. Sally Smith, Transition Coordinator, at 816-321-6171.*

**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 Jenni Gaddie, Director of Pupil Services, at 816-321-6352.*
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.

Community Based Instruction
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 Transition I and II
Course ID: SPS204 and SPS301  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 student set realistic post-secondary goals and develop a plan to achieve these goals. This course will provide a supportive environment for student 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, E, F

Course ID:  
A = SPS135  
B = SPS136  
C = SPS137  
D = SPS147  
E = SPS148  
F = SPS149

Credit: 1  
Grade Level: 9, 10, 11, 12

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 upon IEP team decision.

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: 0.5 for every 150 work hours  
Grade Level: 11, 12

Prerequisite: Enrollment based upon IEP team decision and verification from Transition Facilitator. 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.

*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.*

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**North Kansas City Hospital Academy**

Course ID: SPS302  
Credit: 1.5 per semester  
Grade Level: 11, 12

Prerequisite: IEP team must recommend student for program. 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.

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**Project SEARCH**

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

Prerequisite: Partnership with NKC Schools, Children's Mercy Hospital, Truman Medical Center, Vocational Rehabilitation Services, Goodwill, and Center for Human Services. Student must have case opened with Vocational Rehabilitation Services (VR) and have 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.
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 three consecutive years prior to high school graduation.
- Graduated with a grade point average of 2.5 on a 4.0 scale.
- Graduated with at least a 95% attendance record for a four-year period.
- Maintained a record of good citizenship; and avoidance of the unlawful use of drugs or alcohol or acts of violence.
- Performed at least 50 hours of unpaid academic tutoring or mentoring, connected to North Kansas City Schools, and supervised by a district employee.
- Beginning with the high school senior class of 2015, have achieved a score of proficient or advanced on the Algebra I end of course exam.

#### 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.
- 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.

### A+ Coordinators

<table>
<thead>
<tr>
<th>School</th>
<th>Coordinator</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>NKCHS</td>
<td>Ashley Bass</td>
<td>(816) 321-4108</td>
</tr>
<tr>
<td>OPHS</td>
<td>Mike Dial</td>
<td>(816) 321-4474</td>
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<tr>
<td>SHS</td>
<td>Kevin Kooi</td>
<td>(816) 321-5709</td>
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<tr>
<td>WHS</td>
<td>David Garrison</td>
<td>(816) 321-4652</td>
</tr>
</tbody>
</table>

*Fees are limited to general fees all students are required to pay.

**Funds become available 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.*
NCAA Eligibility Center – Division I Academic Requirements

DIVISION I ACADEMIC REQUIREMENTS

College-bound student-athletes will need to meet the following academic requirements to practice, receive athletic scholarships, and/or compete during their first year.

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

- **ENGLISH**: 4 years
- **MATH** (algebra I or higher): 3 years
- **NATURAL/PHYSICAL SCIENCE** (one year of lab, if offered): 2 years
- **ADDITIONAL ENGLISH, MATH OR NATURAL/PHYSICAL SCIENCE**: 1 year
- **SOCIAL SCIENCE**: 2 years
- **ADDITIONAL COURSES** (one area listed to the left, foreign language or comparative religion/philosophy): 4 years

**Full Qualifier**
- Complete 16 core courses.
- Ten of the 16 core courses must be completed before the seventh (senior) year of high school.
- Seven of the 10 core courses must be in English, math or science.
- Earn a core-course GPA of at least 2.300.
- Earn the ACT/SAT score matching your 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 the ACT/SAT score matching your 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 athletics scholarships during their first year of enrollment at an NCAA Division I school.

**Academic Redshirt:**
College-bound student-athletes may receive athletics scholarships during their first year of 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 cannot practice, receive athletics scholarships or compete during their first year of enrollment at an NCAA Division I school.
Test Scores

When a student registers for the SAT or ACT, he or she can use the NCAA Eligibility Center code of 9999 so his or her scores are sent directly to the NCAA Eligibility Center from the testing agency. Test scores on transcripts will NOT be used in his or her academic certification.

A combined SAT score is calculated by adding 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 subscore from different tests are used to meet initial-eligibility requirements.

If a student took the SAT before March 2016 and then took the redesigned SAT at a later date, the NCAA Eligibility Center will not combine section scores from the former SAT and redesigned SAT when determining his or her initial eligibility. The NCAA Eligibility Center will only combine section scores from the same version of the test. Because the redesigned SAT varies in design and measures different academic concepts than the former SAT, the Eligibility Center will apply the College Board’s concordance tables when performing academic certifications for students with redesigned SAT scores.

*To compare SAT scores, click [here](#) for a comparison table, or click [here](#) to visit the College Board’s website.

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<th>FULL QUALIFIER SLIDING SCALE</th>
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Division I Initial-Eligibility Standards

Frequently Asked Questions

College-bound student-athletes must meet a core-course progression requirement to be eligible to compete in the initial year of full-time enrollment at an NCAA Division I school. Students who do not meet this new requirement will not be able to compete in the first year of enrollment at an NCAA Division I school.

The following questions and answers are designed to assist students, parents and high school administrators in applying the requirements.

**CORE-COURSE PROGRESSION (10/7) REQUIREMENT**

What is the core-course progression (10/7) requirement? In order to be eligible to compete during the initial year of full-time enrollment, students must complete 16 core courses. Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school and at least seven of these 10 core courses must be in English, math, or science. Grades achieved in such courses must be used in the student’s academic certification and cannot be replaced by courses or grades achieved after starting the seventh semester.

*Note: students must also meet the Division I sliding scale index for competition (minimum 2.300 core-course GPA).

Are students with a documented Education-Impacting Disability (EID) required to meet the 2016 standards for competition, including the core-course progression requirement? Yes. Note that current accommodations (courses for students with an EID, nonstandard ACT or SAT, three additional core-course units after on-time graduation) are still available under the 2016 standards.

How will the start of the seventh semester be determined for schools on a nontraditional calendar? The start of the seventh semester (or the equivalent) will be based on three calendar years from initial enrollment in grade nine.

If a student has two (or more) courses with the same grade, why was Course 1 used to meet the core-course progression (10/7) requirement and Course 2 was not? The academic certification program uses the best 10 core courses that meet the core-course progression (10/7) requirement. If two core courses have the same grade, the academic certification process randomly selects one of the core courses, but this may be adjusted at the time of final certification, if necessary. It may also provide the student the opportunity to retake a course should he or she have more than 10 core courses after the start of the seventh semester.

If a student meets the core-course progression (10/7) requirement, can a core course retaken after the start of the seventh semester still be used to determine eligibility for competition? Yes, provided it is not duplicative of another core course needed to meet the core-course progression (10/7) requirement. For example, if a student initially takes Geometry in grade 10 and retakes Geometry in grade 12, the retake would only be used for competition purposes if the grade 10 Geometry course is not needed to meet the core-course progression (10/7) requirement.

Can more than 16 core-course units (i.e., 16.01 to 16.99) be used in a student’s final academic certification for competition purposes? Yes, provided partial credit (e.g., 0.25, 0.34, 0.5, 0.67) is necessary to meet core-course distribution requirements. However, additional core-course units beyond 16 are not permitted outside of the partial credit scenario.
NCAA Eligibility Center – Division II Academic Requirements

2018 Division II New Academic Requirements

College-bound student-athletes first enrolling at an NCAA Division II school on or after August 1, 2018, need to meet new academic rules to practice, compete and receive athletics scholarships during their first year.

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

- **ENGLISH**
  - 3 years
- **MATH (algebra I or higher)**
  - 2 years
- **NATURAL/PHYSICAL SCIENCE**
  - 2 years
- **SOCIAL SCIENCE**
  - 2 years
- **ADDITIONAL (English, math, or natural/physical science)**
  - 3 years
- **ADDITIONAL (English, math, natural/physical science, social sciences, foreign language, comparative literature or philosophy)**
  - 4 years

**Full Qualifier**
- Complete 16 core courses.
- Earn a core-course GPA of at least 2.200.
- Earn the ACT/SAT score matching your 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 the ACT/SAT score matching your 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 athletics scholarships during their first year of enrollment at an NCAA Division II school.

**Partial Qualifier:**
College-bound student-athletes may receive athletics scholarships during their first year of 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 may not practice, compete or receive athletics scholarships during their first year of enrollment at an NCAA Division II school.
### Test Scores

If a student took the SAT before March 2016 and then took the redesigned SAT at a later date, the NCAA Eligibility Center will not combine section scores from the former and redesigned SAT when determining his or her initial eligibility. The NCAA Eligibility Center will only combine section scores from the same version of the test. Because the redesigned SAT varies in design and measures different academic concepts than the former SAT, the Eligibility Center will apply the College Board’s concordance tables when performing academic certifications for students with redesigned SAT scores.

*To compare SAT scores, click here for a comparison table, or click here to visit the College Board’s website.

#### Division II Full Qualifier Sliding Scale

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#### Division II Partial Qualifier Sliding Scale

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**Note:** NCAA is a trademark of the National Collegiate Athletic Association.
Choosing the right courses in high school has a big impact on a student’s preparation for life after high school. After meeting with an adviser/Counselor, a student’s schedule is generated through a computer. Students should make sure to select the correct number of semester and year courses for a complete schedule.

**Enrollment Process**
- Students complete a review of curriculum with advisers/Counselors.
- Students use Missouri Connections or NextTier online personal portfolio for 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 – Personal Plan of Study will be used to make their combination of courses a workable schedule.

**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
### High School Counselor Assignments

<table>
<thead>
<tr>
<th>School</th>
<th>Counselors/Registrars</th>
<th>Phone</th>
<th>Responsibility</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>North Kansas City</td>
<td>Nancy Kelso, Chair</td>
<td>321-4937</td>
<td>Last names E-O</td>
<td><a href="mailto:nancy.kelso@nkcschools.org">nancy.kelso@nkcschools.org</a></td>
</tr>
<tr>
<td></td>
<td>Maria Deister</td>
<td>321-4461</td>
<td>Last names P-Z</td>
<td><a href="mailto:martha.deister@nkcschools.org">martha.deister@nkcschools.org</a></td>
</tr>
<tr>
<td></td>
<td>Shelli Copas</td>
<td>321-6887</td>
<td>Last names A-D, ELL</td>
<td><a href="mailto:shelli.copas@nkcschools.org">shelli.copas@nkcschools.org</a></td>
</tr>
<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>
</tr>
<tr>
<td></td>
<td>Tara Hamilton</td>
<td>321-4974</td>
<td>Assistant</td>
<td><a href="mailto:tara.hamilton@nkcschools.org">tara.hamilton@nkcschools.org</a></td>
</tr>
<tr>
<td></td>
<td>Kathie Deleve</td>
<td>321-4462</td>
<td>Registrar</td>
<td><a href="mailto:kathie.deleve@nkcschools.org">kathie.deleve@nkcschools.org</a></td>
</tr>
<tr>
<td>Oak Park</td>
<td>Kathie Mahan, Chair</td>
<td>321-5602</td>
<td>Last names K-P</td>
<td><a href="mailto:kathleen.mahan@nkcschools.org">kathleen.mahan@nkcschools.org</a></td>
</tr>
<tr>
<td></td>
<td>Larry Katzif</td>
<td>321-4929</td>
<td>Last names Q-W</td>
<td><a href="mailto:larry.katzif@nkcschools.org">larry.katzif@nkcschools.org</a></td>
</tr>
<tr>
<td></td>
<td>Marlene Nay</td>
<td>321-5802</td>
<td>Last names ABC/XYZ</td>
<td><a href="mailto:marlene.nay@nkcschools.org">marlene.nay@nkcschools.org</a></td>
</tr>
<tr>
<td></td>
<td>Colleen Nichols</td>
<td>321-5819</td>
<td>Last names D-J</td>
<td><a href="mailto:colleen.nichols@nkcschools.org">colleen.nichols@nkcschools.org</a></td>
</tr>
<tr>
<td></td>
<td>Kris Roberts</td>
<td>321-6002</td>
<td>Assistant</td>
<td><a href="mailto:kris.roberts@nkcschools.org">kris.roberts@nkcschools.org</a></td>
</tr>
<tr>
<td></td>
<td>Natalie Johnsen</td>
<td>321-4900</td>
<td>Registrar</td>
<td><a href="mailto:natalie.johnsen@nkcschools.org">natalie.johnsen@nkcschools.org</a></td>
</tr>
<tr>
<td>Staley</td>
<td>Jennifer Grossman, Chair</td>
<td>321-4721</td>
<td>L-Z, Grades 11-12</td>
<td><a href="mailto:jennifer.grossman@nkcschools.org">jennifer.grossman@nkcschools.org</a></td>
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<tr>
<td></td>
<td>James McNeely</td>
<td>321-5702</td>
<td>A-K, Grades 11-12</td>
<td><a href="mailto:james.mcneely@nkcschools.org">james.mcneely@nkcschools.org</a></td>
</tr>
<tr>
<td></td>
<td>Kathleen (Kate) Wheeler</td>
<td>321-6405</td>
<td>A-K, Grades 9-10</td>
<td><a href="mailto:kathleen.wheeler@nkcschools.org">kathleen.wheeler@nkcschools.org</a></td>
</tr>
<tr>
<td></td>
<td>Marilyn Charlton</td>
<td>321-4307</td>
<td>L-Z, Grades 9-10</td>
<td><a href="mailto:marilyn.charlton@nkcschools.org">marilyn.charlton@nkcschools.org</a></td>
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<tr>
<td></td>
<td>Kelley Lewis</td>
<td>321-5335</td>
<td>Assistant</td>
<td><a href="mailto:kelley.lewis@nkcschools.org">kelley.lewis@nkcschools.org</a></td>
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<tr>
<td></td>
<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>
</tr>
<tr>
<td>Winnetonka</td>
<td>Jennifer Ford, Chair</td>
<td>321-4852</td>
<td>Graduating class of 2019</td>
<td><a href="mailto:jennifer.ford@nkcschools.org">jennifer.ford@nkcschools.org</a></td>
</tr>
<tr>
<td></td>
<td>Alicia Hollis</td>
<td>321-6912</td>
<td>Graduating class of 2020</td>
<td><a href="mailto:alicia.hollis@nkcschools.org">alicia.hollis@nkcschools.org</a></td>
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<tr>
<td></td>
<td>Todd Maher</td>
<td>321-6575</td>
<td>Graduating class of 2021</td>
<td><a href="mailto:todd.maher@nkcschools.org">todd.maher@nkcschools.org</a></td>
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<tr>
<td></td>
<td>Tabitha Todd</td>
<td>321-6272</td>
<td>Graduating class of 2022</td>
<td><a href="mailto:tabitha.todd@nkcschools.org">tabitha.todd@nkcschools.org</a></td>
</tr>
<tr>
<td></td>
<td>Summer Wilson</td>
<td>321-6450</td>
<td>Assistant</td>
<td><a href="mailto:summer.wilson@nkcschools.org">summer.wilson@nkcschools.org</a></td>
</tr>
<tr>
<td></td>
<td>Tabatha Wano</td>
<td>321-6365</td>
<td>Registrar</td>
<td><a href="mailto:tabatha.wano@nkcschools.org">tabatha.wano@nkcschools.org</a></td>
</tr>
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</table>

### Gifted Resource Specialist Assignments

<table>
<thead>
<tr>
<th>School</th>
<th>Gifted Resource Specialist</th>
<th>Phone</th>
<th>Responsibility</th>
<th>Email</th>
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</thead>
<tbody>
<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>
</tr>
<tr>
<td>OPHS</td>
<td>Lori Dameron</td>
<td>321-4432</td>
<td>Gifted</td>
<td><a href="mailto:lori.dameron@nkcschools.org">lori.dameron@nkcschools.org</a></td>
</tr>
<tr>
<td>SHS</td>
<td>Carol Toney</td>
<td>321-6302</td>
<td>Gifted</td>
<td><a href="mailto:carol.toney@nkcschools.org">carol.toney@nkcschools.org</a></td>
</tr>
<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>
</tr>
</tbody>
</table>
9th Grade Courses

English Language Arts
ELA I Lit & Comp
Honors ELA I Lit & Comp

English Language Arts Electives
Debate I
Journalism I
Speech Communication

Mathematics
Algebra I
Algebra A
Algebra II
Geometry
Honors Algebra II
Honors Geometry
Intro to HS Math

Science
Chemistry
Honors Chemistry
Honors Physics
Physics
College Principles of Biomedical Science – PLTW (Gen Elective)

Social Studies
AP Human Geography
Honors World History
World History

Modern Language
French I
French II
German I
German II
Spanish I
Spanish II

Fine Arts
Art I
Discover the Arts
Visual Art Photography
Chamber Orchestra
Concert Band
Music Appreciation
Symphonic Band
Symphonic Orchestra
Freshman Choir
Competitive Drama
Theater I

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

General Electives
AVID 9
College Principles of Biomedical Science – PLTW
Marching Auxiliary

Practical Arts
Business Law
AP College Comp Science Principles – PLTW
College Computer Science Essentials – PLTW
Computer Applications I
Computer Applications II
Computing Ideas
Intro to Computer Science
Foods for Life
Fashion & Interiors
Child Development I
Child Development Learning Center I
Journalism I
Journalism 1 Broadcast
Journalism 1 Photography
Drafting Technology
College Drafting Technology
Home Maintenance & Repair
Woodworking I
College Intro to Engineering Design – PLTW

= available in eCampus (online learning)
# 10th Grade Courses

## English Language Arts
- ELA II Lit & Comp
- Honors ELA II Lit & Comp

## English Language Arts Electives
- Advanced Debate
- Debate I
- Journalism I
- Literacy Methods
- Speech Communication

## Mathematics
- Algebra I
- Algebra A
- Algebra B
- Algebra II
- AP Statistics
- College Algebra
- College Calculus I/AP Calculus A/B
- College Calculus II/AP Calculus B/C
- Geometry
- Honors Algebra I
- Honors Algebra II
- Honors Geometry
- Honors PreCalculus
- Intermediate Algebra
- Intro to HS Math
- Statistics
- Transition to Coll Algebra

## Science
- Biology
- Chemistry
- College Physics
- Honors Biology
- Honors Chemistry
- Honors Physics
- Human Anatomy & Physiology
- Physics
- College Human Body Systems – PLTW (Gen Elective)
- College Principles of Biomedical Science – PLTW (Gen Elective)
- Marine Science (Gen Elective)
- Zoology (Gen Elective)

## Social Studies
- AP Human Geography
- AP Psychology
- AP US History
- AP World History
- Honors US History
- Military History
- Psychology
- US History

## Modern Language
- French I
- French II
- College French III
- German I
- German II
- German III
- College German III
- Spanish I
- Spanish II
- College Spanish III

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

## Fine Arts
- Advanced Visual Art Photography
- AP Art History
- Art I
- Clay & Sculpture: 3D Medias
- Discover the Arts
- 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
- Mixed Choir
- Show/Jazz Choir
- Sophomore Choir
- Treble Choir
- Advanced Competitive Drama
- Competitive Drama
- Theater I
- Theater II

## General Electives
- Personal Finance (MO Grad Req)
- ACT Prep & College Transitions
- AVID 10
- College Human Body Systems – PLTW
- College Principles of Biomedical Science – PLTW
- Introduction to Teaching
- Marching Auxiliary
- Marine Science
- Peer Mentor
- Stagecraft
- Zoology

## Practical Arts
- Accounting I
- Business Law
- AP Coll Comp Science Principles – PLTW
- AP College Computer Science A – PLTW
- Coll Comp Science Essentials – PLTW
- Computer Applications I
- Computer Applications II
- Computer Programming Capstone
- Computing Ideas
- Intro to Computer Science
- Marketing Principles
- Foods for Life
- ProStart Foods Level I
- Advanced Interior Design
- Advanced Fashion Design & Construction
- Fashion & Interiors
- Child Development I
- Child Development II
- Child Development Learning Center I
- Child Development Learning Center II
- Self-Development I
- Self-Development II
- Journalism I
- Journalism 1 Broadcast
- Journalism 1 Photography
- Journalism 2 Broadcast
- Journalism 2 Laboratory
- Journalism 2 Multi-Media
- Journalism 2 Yearbook
- Sports Broadcasting
- College Drafting Technology
- Drafting Technology
- Home Maintenance & Repair
- Woodworking I
- Woodworking II
- College Intro to Eng Design – PLTW
- College Principles of Eng – PLTW

= available in eCampus (online learning)
**11th Grade Courses**

**English Language Arts**
- 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**
- Advanced Debate
- 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**
- Algebra I
- Algebra B
- Algebra II
- AP Statistics
- Applied Mathematics
- College Algebra
- College Calculus I/AP Calculus A/B
- College Calculus II/AP Calculus B/C
- Geometry
- Honors Algebra II
- Honors Geometry
- Honors PreCalculus
- Intermediate Algebra
- Intro to HS Math
- Statistics
- Transition to College Algebra

**Science**
- AP Biology
- AP Chemistry
- AP Physics 1
- AP Physics 2
- Biology
- Chemistry
- College Biology
- Coll Chemistry/Honors Chemistry II
- College Physics
- Honors Biology
- Honors Chemistry
- Honors Physics
- Human Anatomy & Physiology
- Physics
- College Human Body Systems – PLTW (Gen Elective)
- College Medical Interventions – PLTW (Gen Elective)
- College Principles of Biomedical Science – PLTW (Gen Elective)
- Marine Science (Gen Elective)
- Zoology (Gen Elective)

**Modern Language**
- 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

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

**Fine Arts**
- Advanced Visual Art Photography
- AP Studio Art
- AP Art History
- Art I
- Clay & Sculpture: 3D Media
- Discover the Arts
- 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
- Mixed Choir
- Show/Jazz Choir
- Treble Choir
- Advanced Competitive Drama
- Competitive Drama
- Theater I
- Theater II
- Theater III
- Theater Special Projects

**General Electives**
- Personal Finance (MO Grad Req)
- ACT Prep & College Transitions
- Adaptive Physical Education Assistant
- AP Seminar
- AVID 11
- College Human Body Systems – PLTW
- College Medical Interventions – PLTW
- Coll Prin of Biomedical Science – PLTW
- Introduction to Teaching Leadership
- Marching Auxiliary
- Marine Science
- Peer Mentor
- Research & Exhibition
- Stagecraft
- Zoology

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North Kansas City Schools 38 2018-19 CPEG
**11th Grade Courses (continued)**

**Practical Arts**
Accounting I
Accounting II
AP Macro Economics
AP Micro Economics
Business Law
Business Management
AP Coll Computer Science A – PLTW
AP Coll Comp Science Principles – PLTW
College Comp Science Essentials – PLTW
Computer Applications I
Computer Applications II
Computer Programming Capstone
Computing Ideas
Intro to Computer Science
Web Design
College Marketing
Entrepreneurship
Marketing Advanced
Marketing Internship
Marketing Principles
Sports Marketing (off campus)
Foods for Life
ProStart Foods Level I
ProStart Foods Level II
Advanced 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
FACS Internship
Marriage & Family
Self-Development I
Self-Development II
Journalism I
Journalism 1 Photography
Journalism 1 Broadcast
Journalism 2 Laboratory
Journalism 2 Multi-Media
Journalism 2 Yearbook
Journalism 2 Broadcast
Sports Broadcasting (off campus)
Drafting Technology
College Drafting Technology
Home Maintenance & Repair
Woodworking I
Woodworking II
Woodworking III
College Civil Engineering & Arch – PLTW
College Digital Electronics – PLTW
College Intro Engineering Design – PLTW
College Principles of Engineering – PLTW

**CTEC (off campus)**
Automotive Technology I

**Business & Technology Center (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

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

**Northland Career Center (off campus)**
Agricultural Education I
Aviation Technology I
Construction Technology I
Culinary Arts I
Diesel Technology I
Health Sciences I
Heat/Vent/Air Cond/Refrigeration I
Industrial Welding I
IT Professionals I
Law Enforcement/CSI I
Production Technologies I
Teaching Professions I

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

English Language Arts
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
Advanced Debate
Argumentation & Debate III/IV
College Argumentation & Debate III/IV
College Fundamentals of Effective Speaking & Listening
Creative Writing
Fundamentals of Effective Speaking & Listening
Debate I
Journalism I
Literacy Methods
Mythology & Classical Lit & Comp
Short Story
Speech Communication

Mathematics
Algebra I
Algebra B
Algebra II
AP Statistics
Applied Mathematics
College Algebra
College Calculus I/AP Calculus A/B
College Calculus II/AP Calculus B/C
Geometry
Honors Algebra II
Honors Geometry
Honors PreCalculus
Intermediate Algebra
Statistics
Transition to College Algebra

Social Studies
AP Government Politics US
AP Comparative Gov’t & Politics
AP Human Geography
AP Psychology
AP United States History
AP World History
College US Government
Military History
Psychology
Sociology

Science
AP Biology
AP Chemistry
AP Physics 1
AP Physics 2
Biology
Chemistry
College Biology
College Chemistry/Honors Chem II
College Physics
Honors Biology
Honors Chemistry
Honors Physics
Human Anatomy & Physiology
Physics
College Principles of Biomedical Science – PLTW (Gen Elective)
College Human Body Systems – PLTW (Gen Elective)
College Medical Interventions – PLTW (Gen Elective)
College Biomedical Innovations – PLTW (Gen Elective)
Marine Science (Gen Elective)
Zoology (Gen Elective)

Modern Language
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

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

Fine Arts
Advanced Visual Art Photography
AP Studio Art
AP Art History
Art I
Clay & Sculpture: 3D Media
Discover the Arts
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
Mixed Choir
Show/Jazz Choir
Treble Choir
Advanced Competitive Drama
Competitive Drama
Theater I
Theater II
Theater III
Theater IV
Theater Special Projects

General Electives
Personal Finance (MO Grad Req)
ACT Prep & College Transitions
AVID 12
Adaptive Physical Education Assistant
AP Seminar
Coll Biomedical Interventions – PLTW
College Human Body Systems – PLTW
College Medical Interventions – PLTW
Coll Prin of Biomedical Science – PLTW
Introduction to Teaching
Leadership
Marching Auxiliary
Marine Science
Peer Mentor
Research & Exhibition
Stagecraft
Zoology
12th Grade Courses (continued)

Practical Arts
Accounting I
Accounting II
AP Macro Economics
AP Micro Economics
Business Law
Business Management
Career Internship
AP Coll Computer Science A – PLTW
AP Coll Comp Science Principles – PLTW
Coll Comp Science Essentials – PLTW
Computer Applications I
Computer Applications II
Computer Programming Capstone
Computing Ideas
Intro to Computer Science
Web Design
College Marketing
Entrepreneurship
Marketing Advanced
Marketing Internship
Marketing Principles
Sports Marketing (off campus)
Foods for Life
ProStart Foods Level I
ProStart Foods Level II
Advanced Interior Design
Advanced Fashion Design & Const
Apparel Construction
College Adv Fashion Design & Const
Fashion & Interiors
Fashion/Interior Design & Merch
Child Development I
Child Development II
Child Development Learning Center I
Child Development Learning Center II
Career Internship
FACS Internship
Marriage & Family
Self-Development I
Self-Development II

Practical Arts (continued)
Journalism I
Journalism I Broadcast
Journalism I Photography
Journalism 2 Broadcast
Journalism 2 Laboratory
Journalism 2 Multi-Media
Journalism 2 Yearbook
Sports Broadcasting (off campus)
College Drafting Technology
Drafting Technology
Home Maintenance & Repair
Woodworking I
Woodworking II
Woodworking III
Woodworking IV
College Civil Engineering & Arch – PLTW
College Digital Electronics – PLTW
College Intro Engineering Design – PLTW
College Principles of Engineering – PLTW
College Engineering Design & Dev – PLTW

CTEC (off campus)
Automotive Technology I
Automotive Technology II
Automotive Technology III

Northland CAPS (off campus)
Digital Media & Design
Engineering and Advanced Manufacturing
Global Business and Entrepreneurship
Global Logistics
Medicine and Healthcare Technology Solutions

Northland Career Center (off campus)
Agricultural Education I
Agricultural Education II
Aviation Technology I
Aviation Technology II
Construction Technology I
Construction Technology II
Culinary Arts I
Culinary Arts II
Diesel Technology I
Diesel Technology II
Health Sciences I
Health Sciences II
Heat/Vent/Air Cond/Refrigeration I
Heat/Vent/Air Cond/Refrigeration II
Industrial Welding I
Industrial Welding, one-year-certificate
IT Professionals I
IT Professionals II
Law Enforcement/CSI I
Law Enforcement/CSI II
Production Technologies I
Production Technologies II
Teaching Professions I
Teaching Professions II
Teaching Professions, One-Year-Certificate

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

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

## Gold Medallion Diploma

<table>
<thead>
<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
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<tbody>
<tr>
<td>ELA I</td>
<td>ELA II</td>
<td>AP Language &amp; Composition</td>
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<td>Honors ELA I</td>
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<td>AP Literature &amp; Composition</td>
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<td>College English</td>
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## Career/College Readiness Diploma (4 units required)

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<tr>
<th>9th Grade</th>
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<th>12th Grade</th>
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<tbody>
<tr>
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<td>ELA II</td>
<td>AP Language &amp; Composition</td>
<td>AP Language &amp; Composition</td>
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<tr>
<td>Honors ELA I</td>
<td>Honors ELA II</td>
<td>AP Literature &amp; Composition</td>
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<td>American Literature &amp; Composition</td>
<td>College English</td>
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<td>British Literature &amp; Composition</td>
<td>Honors Literature &amp; Composition</td>
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<td>Multicultural Literature &amp; Composition</td>
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<td>Honors Literature &amp; Composition</td>
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### English Language Arts I Literature & Composition

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<tr>
<th>Course ID:</th>
<th>ELA100</th>
<th>Credit:</th>
<th>1</th>
<th>Grade Level:</th>
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<tbody>
<tr>
<td>Prerequisite:</td>
<td>None</td>
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**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

<table>
<thead>
<tr>
<th>Course ID:</th>
<th>ELA106</th>
<th>Credit:</th>
<th>1</th>
<th>Grade Level:</th>
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<tbody>
<tr>
<td>Prerequisite:</td>
<td>None</td>
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**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 course is a rigorous literary/writing course and independent work that will be completed outside of class is required.**
**Journalism 1**

Course ID: MED104  
Credit: 1  
Grade Level: 9, 10, 11, 12*  
Prerequisite: * 12th graders can enroll with teacher approval

**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 page 85.*

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**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.

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**Honors English Language Arts II Literature & Composition**

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

**Recommendation:** B in regular ELA I or C in Honors ELA I; must be reading on grade level (Reading Inventory – formerly SRI)

**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 course is a rigorous literary/writing course and independent work that will be completed outside of class is required.

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**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 (C or above)

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 course is a rigorous literary/writing course and independent work that will be completed outside of class is required.**

---

**Honors Composition & Literature**

Course ID: ELA309  
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 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 course is a rigorous literary/writing course and independent work that will be completed outside of class is required.**

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**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, expositive/informative, and narrative), and research essays.

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**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.

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**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:** There will be a requirement for Summer reading, and possible work on eCampus or other assignments. 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 course is a rigorous non-fiction and writing course requiring work to be completed outside of class.

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**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:** There will be a requirement for Summer reading, and possible work on eCampus or other assignments. 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 course is a rigorous literary/writing course requiring work to 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: Teacher Approval

**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: Teacher Approval

**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.
## Mathematics

### Gold Medallion Diploma (4 units required including upper-level classes)

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<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
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<tbody>
<tr>
<td>Algebra I</td>
<td>Geometry</td>
<td>Algebra II</td>
<td>Honors PreCalculus</td>
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<td></td>
<td>College Algebra</td>
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<td>AP Statistics</td>
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<tr>
<td>Algebra I</td>
<td>Honors Geometry</td>
<td>Honors Algebra II</td>
<td>Honors PreCalculus</td>
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<td>Geometry *</td>
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<td>College Calculus I (AP Calculus A/B)</td>
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<td>Dual Enrollment at MCC ***</td>
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<td>AP Statistics</td>
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### Career/College Readiness Diploma (4 units required)

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<td>Intro to Math #</td>
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<td>Geometry</td>
<td>Algebra B</td>
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<tr>
<td>Algebra A</td>
<td>Geometry</td>
<td>Algebra B</td>
<td>Algebra II</td>
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<tr>
<td>(Teacher Request Only)</td>
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<tr>
<td>Algebra I</td>
<td>Geometry</td>
<td>Algebra II</td>
<td>Transition to College Algebra/Statistics (concurrent)</td>
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<td></td>
<td></td>
<td></td>
<td>Honors PreCalculus (Teacher Request Only)</td>
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<td>College Algebra</td>
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<tr>
<td>Algebra I</td>
<td>Honors Geometry</td>
<td>Honors Algebra II</td>
<td>Honors PreCalculus</td>
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<td>AP Statistics</td>
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<td>Geometry *</td>
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<td>Honors Algebra II **</td>
<td>Honors PreCalculus</td>
<td>College Calculus I (AP Calculus A/B)</td>
<td>College Calculus I (AP Calculus A/B)</td>
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</tbody>
</table>

* Must have had Algebra in 8th grade
** Must have had Geometry in 8th grade
Bold Bolded courses are part of the required state assessments
# Class for students with significant gaps and those needing a accommodation—not for open enrollment. These classes could be used at different grade levels depending on recommendation from teachers, counselors, and specialists.
Intro to HS Mathematics
Course ID: MTH102  Credit: 1  Grade Level: 9, 10, 11
Prerequisite: Teacher Recommendation

Course Description: This class is designed for students identified from middle school who are currently getting assistance in mathematics and will continue to need support. The course is designed to bring students up to grade level and to prepare them to be successful in Algebra I and Geometry. Topics covered will include: proportions and percents, equations and inequalities, translating verbal expressions, area and perimeter, and plotting points on a graph. Note: This course may be retaken for credit.

Algebra A
Course ID: MTH110  Credit: 1  Grade Level: 9, 10
Prerequisite: Teacher Recommendation

Course Description: This course provides an opportunity to more deeply explore 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. Students in this course will not take the Algebra I EOC as it will be administered at the end of the first semester of Algebra B.

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.
Algebra B
Course ID: MTH111  Credit: 1  Grade Level: 10, 11, 12
Prerequisite: Algebra A or similar Algebra course

Course Description: This course is a continuation of topics from Algebra A and provides an opportunity to more deeply explore 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. Topics include number systems, patterns, functions, and other algebraic concepts. Students in this course will take the Algebra I EOC at the end of the first semester.

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

Course Description: This course is continuations 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 (Recommendation: B or higher)

**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.

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**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.

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**College Algebra**

Course ID: MTH502  
Credit: 1  
Grade Level: 10, 11, 12

Prerequisite: Algebra II or Transition to College Algebra (B or higher) 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, quadric and quadratic form equations, theory of higher degree equations, systems of equations, inequalities, conic, determinants, progression, and binomial theorem. A scientific calculator is recommended.

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**Honors PreCalculus**

Course ID: MTH511  
Credit: 1  
Grade Level: 10, 11, 12

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

*Note: College credit only available at 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.

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

Course ID: MTH503 or MTH 505  
Credit: 1  
Grade Level: 10, 11, 12

Prerequisite: Honors PreCalculus

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

*This course may be taught as dual enrollment 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 *\**

<table>
<thead>
<tr>
<th>Course ID:</th>
<th>MTH504 or MTH510</th>
<th>Credit: 1</th>
<th>Grade Level: 10, 11, 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisite:</td>
<td>Honors Calculus I/AP Calculus</td>
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</table>

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

**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**

<table>
<thead>
<tr>
<th>Course ID:</th>
<th>MTH204</th>
<th>Credit: .5</th>
<th>Grade Level: 10, 11, 12</th>
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</thead>
<tbody>
<tr>
<td>Prerequisite:</td>
<td>Algebra I</td>
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**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**

<table>
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<tr>
<th>Course ID:</th>
<th>MTH203</th>
<th>Credit: 1</th>
<th>Grade Level: 10, 11, 12</th>
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</thead>
<tbody>
<tr>
<td>Prerequisite:</td>
<td>Algebra II</td>
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**Expectation:** There will be a requirement for Summer reading, and possible work on eCampus or other assignments. 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.

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**Science**

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

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<thead>
<tr>
<th>9th Grade</th>
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</thead>
<tbody>
<tr>
<td>Honors Physics</td>
<td>Honors Biology</td>
<td>Honors Biology</td>
<td>College Chemistry/Honors Chemistry II</td>
</tr>
<tr>
<td>Honors Chemistry</td>
<td>Honors Chemistry</td>
<td>Honors Biology</td>
<td>AP Chemistry</td>
</tr>
<tr>
<td>Honors Physics</td>
<td>Honors Physics</td>
<td>Honors Biology</td>
<td>AP Physics II</td>
</tr>
<tr>
<td>Human Anatomy &amp; Physiology</td>
<td>AP Physics I **</td>
<td>College Physics</td>
<td>Human Anatomy &amp; Physiology</td>
</tr>
</tbody>
</table>

*Prerequisite: Honors Physics  
**May be enrolled concurrently with Honors Biology*

### College Readiness Diploma (3 units required, 4th unit recommended)

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<tr>
<th>9th Grade</th>
<th>10th Grade</th>
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</tr>
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<tbody>
<tr>
<td>Physics</td>
<td>Chemistry</td>
<td>Biology</td>
<td>AP Chemistry</td>
</tr>
<tr>
<td>Honors Physics</td>
<td>Honors Chemistry</td>
<td>Honors Biology</td>
<td>AP Physics II</td>
</tr>
<tr>
<td>Honors Biology</td>
<td>AP Physics</td>
<td>AP Physics I</td>
<td>Human Anatomy &amp; Physiology **</td>
</tr>
</tbody>
</table>

*Prerequisite: Honors Physics  
**Human Anatomy & Physiology **
Physics

Course ID: SC1100  Credit: 1  Grade Level: 9, 10, 11, 12
Prerequisite: None

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: SC1105  Credit: 1  Grade Level: 9, 10, 11, 12
Prerequisite: Algebra I (can be taken concurrently)

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.

Chemistry

Course ID: SC1200  Credit: 1  Grade Level: 9, 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: SC1204  Credit: 1  Grade Level: 9, 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.

Biology

Course ID: SC1300  Credit: 1  Grade Level: 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: 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.

**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:** There will be a requirement for Summer reading, and possible work on eCampus or other assignments. Students taking an AP course will have the opportunity to take the Advanced Placement 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:** There will be a requirement for Summer reading, and possible work on eCampus or other assignments. Students taking an AP course will have the opportunity to take the Advanced Placement 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 principals. Topics explored include: fluid mechanics and thermal physics, electricity and magnetism, physical and geometrical optics, and atomic and nuclear physics.

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**College Chemistry/Honors Chemistry II**

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

**Note:** Honors Chemistry II is offered at all schools. College Chemistry is 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.

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**AP Chemistry**

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

**Expectation:** There will be a requirement for Summer reading, and possible work on eCampus or other assignments. 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.

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**College Biology**

Course ID: SCI500  
Credit: 1  
Grade Level: 11, 12  
Prerequisite:  
Must take two of the following: Biology, Chemistry, and/or Human Anatomy & Physiology

**Note:** This course is only offered at North Kansas City and Winnetonka.

**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: Chemistry and Biology

**Expectation:** There will be a requirement for Summer reading, and possible work on eCampus or other assignments. 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.

Marine Science *(General Elective credit)*

Course ID: ECM112  Credit: .5  Grade Level: 10, 11, 12
Prerequisite: Biology or Pre-AP Biology

*Note: This is an eCampus course only – taught through the Platte County R-III School District.*

**Course Description:** As our amazing planet continues to change over time, it becomes increasingly more apparent how human activity has made environmental impacts. In the Marine Science course, you will delve deep into Earth’s bodies of water and study geologic structures and how they impact the oceans. You will investigate characteristics of various populations, patterns of distribution of life in our aquatic systems and ongoing changes occurring every day in our precious ecosystems. You will be amazed and enlightened at just how much our oceans and lakes affect climate, weather, and seasonal variations. You will have the opportunity to explore the relationships among living organisms and see how they are affected by our oceans, currents, tides, and waves.

Zoology *(General Elective credit)*

Course ID: ECM322  Credit: .5  Grade Level: 10, 11, 12
Prerequisite: None

*Note: This is an eCampus course only – taught through the Platte County R-III School District.*

**Course Description:** Zoology is the study of animals. This course surveys the major taxa of the animal kingdom while emphasizing evolution, structure, function, diversity of life, and physiology. Students will establish a knowledge base for advanced work in the biological sciences through developing an understanding of the principles of animal taxonomy and knowledge of the characteristics of the major phyla of animals. This course promotes an appreciation of the diversity of animal life and its ecological significance. Students will demonstrate their knowledge and understanding of the morphology, physiology, and phylogeny of the taxa of the animal kingdom and working knowledge of their anatomy.
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>
</table>

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

**College Principles of Biomedical Science – PLTW (General Elective credit)**

Course ID: SC1103  
Prerequisite: None  
Credit: 1  
Grade Level: 9, 10, 11, 12

**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.

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

**College Human Body Systems – PLTW (General Elective credit)**

Course ID: SC1203  
Prerequisite: College Principles of Biomedical Science – PLTW  
Credit: 1  
Grade Level: 10, 11, 12

**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.

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

**College Medical Interventions – PLTW (General Elective credit)**

Course ID: SC1314  
Prerequisite: College Principles of Biomedical Science – PLTW and College Human Body Systems – PLTW  
Credit: 1  
Grade Level: 11, 12

**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.

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

**College Biomedical Innovations – PLTW (General Elective credit)**

Course ID: SC1317  
Prerequisite: College Principles of Biomedical Science – PLTW, College Human Body Systems – PLTW, and College Medical Interventions – PLTW  
Credit: 1  
Grade Level: 12

**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

## Gold Medallion Diploma (4 units required)

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<tr>
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<tbody>
<tr>
<td>World History</td>
<td>US History</td>
<td>American Citizenship</td>
<td>AP United States History</td>
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<tr>
<td>Honors World History</td>
<td>Honors US History</td>
<td>College US Government</td>
<td>AP Government Politics US</td>
</tr>
<tr>
<td>AP World History</td>
<td>AP United States History</td>
<td>AP Comparative Politics</td>
<td>AP Comparative Politics</td>
</tr>
<tr>
<td>AP Human Geography</td>
<td>AP World History</td>
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<td>AP Psychology</td>
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<td>AP Psychology</td>
<td>Sociology</td>
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## Career/College Readiness Diploma (3 units required)

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<td>US History</td>
<td>American Citizenship</td>
<td>(optional)</td>
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<tr>
<td></td>
<td>Honors US History</td>
<td>College US Government</td>
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<tr>
<td></td>
<td>AP Human Geography</td>
<td>AP Human Geography</td>
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**World History**

Course ID: SST100  
Credit: 1  
Grade Level: 9  
Prerequisite: None

**Course Description:** A survey course that begins with a brief review of the Middle Ages, placing greater emphasis on the modern world. Students will focus on the western civilization between the time periods pertaining from the Renaissance to modern day.

**US History**

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

**Course Description:** This course explores American History from the period of Reconstruction (immediately following the Civil War) to the present. Students will receive instruction in geography, economics, the development of American government, as well as the impact of world events on the growth of American society.

**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.
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: This course focuses on helping students understand how societies around the world have developed over time and have had an impact upon one another through economics, conflict, as well as the sharing of their cultures. The course will consist of a review of geography skills. The primary emphasis will be on human history from the Renaissance era to the present day. Assessment is primarily performance based.

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: This course explores American History from the period of Reconstruction (immediately after the Civil War) to the present and includes instruction in geography, economics, and political science. Assessment is primarily performance based.

AP Human Geography

Course ID: SST318  Credit: 1  Grade Level: 9, 10, 11, 12
Prerequisite: None

Expectation: There will be a requirement for Summer reading, and possible work on eCampus or other assignments. 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.

American Citizenship

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

Course Description: This course will focus on what it means to be a citizen in our country. It will also focus on components of government and how it has developed over time and how it currently operates. The purpose of this course focuses on helping students understand how they can participate effectively as a citizen. Specific instruction on the U.S. Constitution will be given as an addition to this course. 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.
AP World History
Course ID: SST303 Credit: 1 Grade Level: 10, 11, 12
Prerequisite: None

Expectation: There will be a requirement for Summer reading, and possible work on eCampus or other assignments. Students taking an AP course in the North Kansas City School District are expected to take the Advanced Placement 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.

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

Expectation: There will be a requirement for summer reading, and possible work on eCampus or other assignments. Students taking an AP course in the North Kansas City School District are expected to take the Advanced Placement 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 US Government
Course ID: SST317 Credit: 1 Grade Level: 11, 12
Prerequisite: Honors World History, Honors US History (B or above)

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: There will be a requirement for summer reading, and possible work on eCampus or other assignments. Students taking an AP course in the North Kansas City School District are expected to take the Advanced Placement 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

**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.

**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.

**AP Psychology**

Course ID: SST302  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: None

**Expectation:** There will be a requirement for Summer reading, and possible work on eCampus or other assignments. Students taking an AP course are expected to take the Advanced Placement 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.

**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.
Modern Language

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. It is highly recommended that students are operating at a proficiency level of C or above in the prerequisite course. Students working below that level must seek teacher recommendation in order to enroll.

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. It is highly recommended that students are operating at a proficiency level of C or above in the prerequisite course. Students working below that level must seek teacher recommendation in order to enroll.

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. It is highly recommended that students are operating at a proficiency level of C or above in the prerequisite course. Students working below that level must seek teacher recommendation in order to enroll.

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. It is highly recommended that students are operating at a proficiency level of C or above in the prerequisite course. Students working below that level must seek teacher recommendation in order to enroll.
**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

*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. It is highly recommended that students are operating at a proficiency level of C or above in the prerequisite course. Students working below that level must seek teacher recommendation in order to enroll.

**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. It is highly recommended that students are operating at a proficiency level of C or above in the prerequisite course. Students working below that level must seek teacher recommendation in order to enroll.

**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. It is highly recommended that students are operating at a proficiency level of C or above in the prerequisite course. Students working below that level must seek teacher recommendation in order to enroll.

**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. It is highly recommended that students are operating at a proficiency level of C or above in the prerequisite course. Students working below that level must seek teacher recommendation in order to enroll.
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. It is highly recommended that students are operating at a proficiency level of C or above in the prerequisite course. Students working below that level must seek teacher recommendation in order to enroll.

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. It is highly recommended that students are operating at a proficiency level of C or above in the prerequisite course. Students working below that level must seek teacher recommendation in order to enroll.

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. It is highly recommended that students are operating at a proficiency level of C or above in the prerequisite course. Students working below that level must seek teacher recommendation in order to enroll.

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. It is highly recommended that students are operating at a proficiency level of C or above in the prerequisite course. Students working below that level must seek teacher recommendation in order to enroll.
College Spanish III

Course ID: MDL302  
Credit: 1  
Grade Level: 10, 11, 12

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. It is highly recommended that students are operating at a proficiency level of C or above in the prerequisite course. Students working below that level must seek teacher recommendation in order to enroll.

College Spanish IV

Course ID: MDL505  
Credit: 1  
Grade Level: 11, 12

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. It is highly recommended that students are operating at a proficiency level of C or above in the prerequisite course. Students working below that level must seek teacher recommendation in order to enroll.

College Spanish V

Course ID: MDL508  
Credit: 1  
Grade Level: 12

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. It is highly recommended that students are operating at a proficiency level of C or above in the prerequisite course. Students working below that level must seek teacher recommendation in order to enroll.

Fine Arts

Art

Art I

Course ID: ART100  
Credit: 1  
Grade Level: 9, 10, 11, 12

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.
Discover the Arts
Course ID: ECM109 Credit: 1 Grade Level: 9, 10, 11, 12
Prerequisite: None

Note: This course is only offered in eCampus.
Course Description: An online course using broad themes to explore art, music, and theater. Students will learn the visual and auditory skills needed to analyze historical backgrounds and to discuss various art forms.

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

Course Description: This is a technology intensive course that requires the use of computers and imaging software. 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. School cameras are available for class use. Students who wish to use their own cameras may do so. This course 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 media. 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, fibers, jewelry, and other three-dimensional visual art media. 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. Graphic design works as a communication tool in today's world. This course introduces the principles of visual and typographic design. Students will explore and develop an understanding of graphic design and will create, plan, and execute designs that communicate specific messages, using both drawing and computer skills. Once basic design principles are clearly understood, this course addresses real world subjects such as corporate/logo design, advertising, and marketing. May be repeated for credit.
**AP Studio Art**

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

**Expectation:** Students taking an AP course in the North Kansas City School District are expected to take the Advanced Placement Exam during the Spring semester.  
**Course Description:** This is a very rigorous college-level course. Students will create, plan, and execute individual art projects that satisfy the requirements of the AP College Board Portfolio: 24 college-level works in one of the following areas: 2-D design, 3-D design, or drawing/painting. AP Studio Art 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 Studio Art for two years. As a junior, students will complete a college-level Breadth Portfolio; as a senior they will complete a college-level Concentration Portfolio. Students take the College Board exam during their second (senior) year. 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

**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. This course 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. This course 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

*Note: This course is only offered in eCampus.*

**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. This course 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. This course 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. This course 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 AP course in the North Kansas City School District are expected to take the Advanced Placement 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**

**Freshman Choir**
Course ID: MUS101  Credit: 1  Grade Level: 9
Prerequisite: None

**Course Description:** Choir members concentrate on sight reading, notation, tone quality, breathing, harmony, diction, expanding range, and being a part of an ensemble. This is a quality choral group that performs a variety of choral literature. Participation in performances is a requirement of the class. Freshmen are allowed to compete in MSHSAA sponsored contest, festivals, etc. *(Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).*

**Mixed Choir**
Course ID: MUS103  Credit: 1  Grade Level: 10, 11, 12
Prerequisite: None

*Note: 9th grade students choosing to enroll in choir need to register for Freshmen Choir.*

**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. This course may be repeated for credit. *(Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).*

**Sophomore Choir**
Course ID: MUS203  Credit: 1  Grade Level: 10
Prerequisite: Audition

**Course Description:** This intermediate level choir 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 a requirement of 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: 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 the district music festival. Participation in performances is a requirement of the class. This course 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. This course may be repeated for credit. (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

Show/Jazz Choir
Course ID: MUS202  Credit: 1  Grade Level: 10, 11, 12
Prerequisite: Audition and concurrent enrollment in A Cappella Choir

*Note: Exceptions with administrative approval.*

**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. This course 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 (at Oak Park students must audition)

**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 (at Oak Park and Winnetonka students must audition)

**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.

**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. This course may be repeated for credit with teacher approval.
Physical Education & Health

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

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. This class may be repeated for credit.

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

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. This class may be repeated for credit.

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

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. This class may be repeated for credit.

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

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.
NOTE: The online version requires one face-to-face meeting for CPR training.
Physical Education
Course ID: PEH102  Credit: .5  Grade Level: 9, 10
Prerequisite: None

Course Description: This course includes basic skills in sports, recreational activities, and emphasizes physical fitness. Dressing out is a requirement for this course. This class may be repeated for credit.
NOTE: The online version requires two face-to-face meetings (pre-test and post-test). This class uses wearable fitness devices to track activity. The device is loaned to the student at the pretest 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. This class may be repeated for credit.

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. This class may be repeated for credit.

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. This class may be repeated for credit.
**Business Management Pathway**

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**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.

**AP Micro Economics**

Course ID: BMK320  
Credit: .5  
Grade Level: 11, 12  
Prerequisite: None  

**Course Description:** This course is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of the product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. The course is a good introduction to business and economic concepts for college business majors.

**AP Macro Economics**

Course ID: BMK321  
Credit: .5  
Grade Level: 11, 12  
Prerequisite: AP Micro Economics (helpful, but not required)  

**Course Description:** This course is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. The course is a good introduction to business and economic concepts for college business majors.

**Career Internship (off campus)**

Course ID: ECM303  
Credit: .5-2  
Grade Level: 12  
Prerequisite: Transportation provided by the student  

*Note: This course is offered in eCampus only. This course can be taken as a Practical Arts-Business & Marketing credit or Practical Arts-Family & Consumer Science credit.*

**Course Description:** Students can benefit substantially from school directed and supervised career learning experiences at local businesses or other institutions. Student career experiences will be in the form of job shadows, work experience, and internships. Students also will receive instruction in career paths and clusters, training and experience for careers being studied, and skills related to obtaining and holding a job by participating in online class assignments and discussions. Between .5 and 2 credits can be earned each year, so a student could enroll in 2 blocks each semester (10-19 hours/week = .5 credit per semester; 20 or more hours/week = 1 credit per semester). This class is perfect for students who have already selected their career path and for those still searching for their path.
## Computer Science

### Computer Science Pathway

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### Computer Applications I

Course ID: BMK101  
Credit: .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.

### Computer Applications II

Course ID: BMK102  
Credit: .5  
Grade Level: 9, 10, 11, 12  
Prerequisite: Computer Applications I  

**Course Description:** This course is designed to help students advance skills in the areas of database management, spreadsheet applications, desktop publishing, multimedia, internet usage, and integrated software applications.

### Intro to Computer Science

Course ID: BMK114  
Credit: .5  
Grade Level: 9, 10, 11, 12  
Prerequisite: None  

**Course Description:** Students will learn to write, develop, and process programs using JavaScript. The course is designed to provide a hands-on, problem-solving experience for students. Topics for the course include basic programming, graphics, animation, as well as making a game.

### Computing Ideas

Course ID: BMK115  
Credit: .5  
Grade Level: 9, 10, 11, 12  
Prerequisite: None  

**Course Description:** This course is designed to assist the computer user in the operation and use of computers, their applications, capabilities and limitations. Students will use HTML, JavaScript, Scratch, and other utility software. Hands-on experience is provided with various types of technology equipment and software. This is a good overview into the world of computing.

### Web Design

Course ID: BMK312  
Credit: .5  
Grade Level: 11, 12  
Prerequisite: None  

**Course Description:** Advanced project-based course designed for students who enjoy individual challenges. Projects may include software learned in the other classes such as multimedia, graphics, design, or 3D rendering. Prior knowledge of HTML or other program-minding language is recommended, as students will assist on the school website.
College Computer Science Essentials – PLTW

Course ID: BMK116  Credit: 1  Grade Level: 9, 10, 11, 12
Prerequisite: None

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.

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

AP College Computer Science Principles – PLTW

Course ID: BMK112  Credit: 1  Grade Level: 9*,10, 11, 12
Prerequisite: None
* 9th graders can enroll with teacher recommendation.

Course Description: Computer Science Principles (CSP) is a PLTW course to implement the College Board's new AP Computer Science Principles framework. Students work in teams to develop computational thinking and solve problems. The course does not aim to teach mastery of a single programming language, but aims instead to develop computational thinking, to generate excitement about the field of computing, and to introduce computational tools that foster creativity. The course also aims to build students’ awareness of the tremendous demand for computer specialists and for professionals in all fields who have computational skills. Each unit focuses on one or more computationally intensive career paths. The course also aims to engage students to consider issues raised by the present and future societal impact of computing.

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

AP College Computer Science A – PLTW

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

Course Description: Computer Science A (CSA) is a PLTW course to implement the College Board’s Computer Science A framework. CSA builds on the basic skills learned in PLTW Computer Science Principles (CSP) to teach students JavaScript and authentic Android™ app development. Students in this course continue to hone their communication and collaboration skills while learning to use a variety of tools. The primary goal of the course is to create independent-thinking app developers; every unit in this course builds on students’ prior knowledge and skills until they can complete an app development cycle independently from the ground up. (Android App Development Version only available at North Kansas City High School.)

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.
### Marketing, Sales, and Service

<table>
<thead>
<tr>
<th>Marketing Pathway</th>
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<tbody>
<tr>
<td><strong>9th Grade</strong></td>
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<tr>
<td>Marketing Principles</td>
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</tbody>
</table>

#### 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:** .5  
**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.

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**Sports Marketing (off campus)**

Course ID: BMK317  
Credit: .5 or 1  
Grade Level: 11, 12  
Prerequisite: Marketing Principles or by Teacher Approval

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

**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. The primary goal is to create professional sports event that will promote the North Kansas City School District's high schools. Students are also performing a public service to the district and its patrons. Students completing this class will have a working knowledge of the marketing aspects of creating a sports event. This knowledge will give students a head start for college and professional careers. Students will be working as marketing planners, talent managers, floor managers, game fulfillment, and more. There will be mandatory out of the classroom assignments including live broadcasts, social media events, and advertising campaigns. This course meets on the Oak Park campus; students may provide their own transportation, or ride district-provided transportation. This course may be taken for one semester or a whole year. It may be taken in one block for .5 credit per semester, or two blocks for 1 credit per semester. May be repeated for credit.

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**Marketing Internship (off campus)**

Course ID: BMK303  
Credit: .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. This course may be repeated for credit.
Practical Arts—Family & Consumer Science

available in eCampus (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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Note: These courses are offered as a part of the Culinary Arts pathway in the IB Career-related Program (IBCP).

Foods for Life
Course ID: FAC104
Credit: .5
Grade Level: 9, 10, 11, 12
Prerequisite: None

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.

ProStart Foods Level I
Course ID: FAC206
Credit: 1
Grade Level: 10, 11, 12
Prerequisite: Foods for Life (C or better) and Application

Course Description: Are you interested in starting an exciting career in the restaurant and foodservice industry or just advancing your skills? You will be introduced to the fundamentals of culinary arts beginning with preparatory steps for becoming a successful restaurant and food service professional. 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 grains. Students who pass the end of course exam for Level I will receive a certificate from the National Restaurant Association. Chef attire required. College credit is available through Missouri State.

ProStart Foods Level II
Course ID: FAC207
Credit: 1
Grade Level: 11, 12
Prerequisite: ProStart Foods Level I (C or better), Application, and Teacher Approval

Students will continue advancing skills to learn management and culinary skills toward a career in the restaurant and foodservice industry. Cooking principles and techniques for the preparation of breakfast food, sandwiches, salads, garnishing, meat, poultry, seafood, desserts, and baked goods will be introduced. Students will learn business concepts related to the restaurant industry and will have the opportunity to do a paid internship in a food-related job. Upon passing the Level II end of course exam, students will receive a certificate from the National Restaurant Association. Chef attire required. College credit is available through Missouri State.
Housing Environments & Design

**Interior Design Pathway**

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<th>9th Grade</th>
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<tbody>
<tr>
<td>Fashion &amp; Interiors</td>
<td>Advanced Interior Design</td>
<td>Fashion/Interior Design &amp; Merchandising FACS Internship</td>
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</table>

**Advanced Interior Design**

Course ID: FAC209  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Fashion & Interiors (C or better)

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.

**Fashion Merchandising & Production**

**Fashion Design Pathway**

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<tbody>
<tr>
<td>Fashion &amp; Interiors</td>
<td>Advanced Fashion Design &amp; Construction</td>
<td>Fashion/Interior Design &amp; Merchandising Apparel Construction FACS Internship</td>
</tr>
</tbody>
</table>

**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.
**Advanced Fashion Design & Construction**

Course ID: FAC108  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Fashion & Interiors (C or better)

**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.

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**College Advanced Fashion Design & Construction**

Course ID: FAC314  
Credit: 1  
Grade Level: 10, 11, 12  
Prerequisite: Fashion & Interiors (B or better)

*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.

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**Apparel Construction**

Course ID: FAC310  
Credit: .5  
Grade Level: 11, 12  
Prerequisite: Advanced Fashion Design & Construction (C or better)

**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.

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**Fashion/Interior Design & Merchandising**

Course ID: FAC313  
Credit: 1  
Grade Level: 11, 12  
Prerequisite: Advanced Fashion Design & Construction OR Advanced Interior Design (C or better)

**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

<table>
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<th>Child &amp; Human Services Pathway</th>
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<td>Child Development I</td>
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<td>Child Development Learning Center I</td>
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<tr>
<td>Self-Development I</td>
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Note: These courses are offered as a part of the Pre-Teaching pathway in the IB Career-related Program (IBCP).

**Child Development I**

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

Prerequisite: None

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.

**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.

**Child Development II**

Course ID: FAC305  
Credit: 1  
Grade Level: 10, 11, 12

Prerequisite: Child Development I (C or better)

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.

**Child Development Learning Center II**

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

Prerequisite: Child Development Learning Center I (C or better)

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.
**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**
Course ID: FAC208  Credit: .5  Grade Level: 10, 11, 12
Prerequisite: Self-Development I

**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.

**Marriage and Family**
Course ID: FAC302  Credit: 1  Grade Level: 11, 12
Prerequisite: None

**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.

**FACS Internship (off campus)**
Course ID: FAC301  Credit: .5-2  Grade Level: 11, 12
Prerequisite: Successful completion of entry-level FACS course and teacher approval. Transportation provided by the student.

**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. This class may be repeated for credit.

**Career Internship (off campus)**
Course ID: ECM303  Credit: .5-2  Grade Level: 12
Prerequisite: Transportation provided by the student.

*Note: This course is offered in eCampus only. This course can be taken as a Practical Arts-Business & Marketing credit or Practical Arts-Family & Consumer Science credit.*

**Course Description:** Students can benefit substantially from school directed and supervised career learning experiences at local businesses or other institutions. Student career experiences will be in the form of job shadows, work experience, and internships. Students also will receive instruction in career paths and clusters, training and experience for careers being studied, and skills related to obtaining and holding a job by participating in online class assignments and discussions. Between .5 and 2 credits can be earned each year, so a student could enroll in 2 blocks each semester (10-19 hours/week = .5 credit per semester; 20 or more hours/week = 1 credit per semester). This class is perfect for students who have already selected their career path and for those still searching for their path.
**Practical Arts – Journalism**

available in eCampus
(online learning)

Weighted

Gold Medallion course

Potential to earn college credit

Off Campus

### Journalism 1 (ELA Credit)

- **Course ID:** MED104  
- **Credit:** 1  
- **Grade Level:** 9, 10, 11, 12*  
- **Prerequisite:** * 12th graders can enroll with teacher approval

**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 (with teacher approval)  
- **Prerequisite:** None

**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 (with teacher approval)  
- **Prerequisite:** None

**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, and teacher approval based on application, interview, and portfolio.

**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, and teacher approval based on application, interview, and portfolio

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 and teacher approval based on application, interview, and video portfolio

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 Laboratory
Course ID: MED203  Credit: .5  Grade Level: 10, 11, 12
Prerequisite: Application

Course Description: The journalism lab is only offered to Journalism 2 level publication staff students with permission from the adviser. The course is designed as a work time for publication production and individual work with the adviser. Students use the time to manage production of their publication, 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 journalism, complete tasks, and use effective time management skills. May be repeated for credit.

Sports Broadcasting (off campus)
Course ID: GEN508  Credit: 1 or 2, see below  Grade Level: 10*, 11, 12
Prerequisite: None, although it would be beneficial to have Journalism 1 Broadcast, Journalism 2 Broadcast, or some broadcast or journalism coursework completed, but not required.
* 10th graders can enroll with teacher approval.

Course Description: This course is designed to be practical and interactive, covering all aspects of 21st-century sports broadcasting. Students will learn how to 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, switches, 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 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 meets on the Oak Park campus; students may provide their own transportation or ride district-provided transportation. This course may be taken for one semester or a whole year. It may be taken in one block for .5 credit per semester, or two blocks for 1 credit per semester. Students can earn a letter in this course. May be repeated for credit.
Practical Arts – Technology & Engineering

Architecture & Construction

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<td>Drafting Technology or Home Maintenance &amp; Repair</td>
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Drafting Technology

- **Course ID:** IND105
- **Credit:** .5
- **Grade Level:** 9, 10, 11, 12
- **Prerequisite:** None

**Course Description:** Introductory course designed to provide students with basic skills in the latest Computer Aided Drafting (CAD). Students will develop professional mechanical drawings using basic editing commands and drafting techniques.

College Drafting Technology

- **Course ID:** IND106
- **Credit:** .5
- **Grade Level:** 9, 10, 11, 12
- **Prerequisite:** None

**Course Description:** Introductory course designed to provide students with basic skills in the latest Computer Aided Drafting (CAD). Students will develop professional mechanical drawings using basic editing commands and drafting techniques.

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. In first semester, students will construct required projects. The second semester emphasis is on selecting, planning, and building their own projects. These projects can be of their own design or from commercial sources.

**Woodworking III**

Course ID: IND302  
Credit: 1  
Grade Level: 11, 12  
Prerequisite: Woodworking II

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

**Woodworking IV**

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

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

**Science, Technology, Engineering, and Mathematics**

| Science, Technology, Engineering, and Mathematics Pathway - Project Lead the Way |
|---|---|---|---|---|
| **9th Grade** | **10th Grade** | **11th Grade** | **12th Grade** |
| College Intro to Engineering Design – PLTW | College Principles of Engineering – PLTW | College Digital Electronics – PLTW or College Civil Engineering and Architecture – PLTW | College Engineering Design and Development – PLTW |

*Note: These courses are all offered as a part of the Engineering pathway in the IB Career-related Program (IBCP).*

**College Intro to Engineering Design – PLTW**

Course ID: IND102  
Credit: 1  
Grade Level: 9, 10, 11, 12  
Prerequisite: None

**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:** 10, 11, 12  
**Prerequisite:** None  

**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.

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**College Digital Electronics – PLTW**

**Course ID:** IND301  
**Credit:** 1  
**Grade Level:** 11, 12  
**Prerequisite:** None  

**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.

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**College Civil Engineering and Architecture – PLTW**

**Course ID:** IND200  
**Credit:** 1  
**Grade Level:** 11, 12  
**Prerequisite:** None  

**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.

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**College Engineering Design and Development – PLTW**

**Course ID:** IND501  
**Credit:** 1  
**Grade Level:** 12  
**Prerequisite:** Two PLTW Engineering Courses  

**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.
General Electives

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

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.

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.

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.

Personal Finance

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

*Pre-IB students may take this course in 10th grade.

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.
**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.

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**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.

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**Adaptive Physical Education Assistant**

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

*Note: This course is a Pass/Fail course.*

**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.)

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**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. This course may be repeated for credit.

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**Marine Science (General Elective credit)**

Course ID: ECM112  
Credit: .5  
Grade Level: 10, 11, 12  
Prerequisite: Biology or Pre-AP Biology

*Note: This is an eCampus course only – taught through the Platte County R-III School District.*

**Course Description:** As our amazing planet continues to change over time, it becomes increasingly more apparent how human activity has made environmental impacts. In the Marine Science course, you will delve deep into Earth’s bodies of water and study geologic structures and how they impact the oceans. You will investigate characteristics of various populations, patterns of distribution of life in our aquatic systems and ongoing changes occurring every day in our precious ecosystems. You will be amazed and enlightened at just how much our oceans and lakes affect climate, weather, and seasonal variations. You will have the opportunity to explore the relationships among living organisms and see how they are affected by our oceans, currents, tides, and waves.
**Zoology (General Elective credit)**

Course ID: ECM322  
Credit: .5  
Grade Level: 10, 11, 12  
Prerequisite: None

Note: This is an eCampus course only – taught through the Platte County R-III School District.

Course Description: Zoology is the study of animals. This course surveys the major taxa of the animal kingdom while emphasizing evolution, structure, function, diversity of life, and physiology. Students will establish a knowledge base for advanced work in the biological sciences through developing an understanding of the principles of animal taxonomy and knowledge of the characteristics of the major phyla of animals. This course promotes an appreciation of the diversity of animal life and its ecological significance. Students will demonstrate their knowledge and understanding of the morphology, physiology, and phylogeny of the taxa of the animal kingdom and working knowledge of their anatomy.

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

**College Principles of Biomedical Science – PLTW**

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

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.

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

**College Human Body Systems – PLTW**

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

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.

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

**College Medical Interventions – PLTW**

Course ID: SCI314  
Credit: 1  
Grade Level: 11, 12  
Prerequisite: College Principles of Biomedical Science – PLTW and College Human Body Systems – PLTW

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 Innovations – PLTW**

Course ID: SCI317  
Credit: 1  
Grade Level: 12  
Prerequisite: College Principles of Biomedical Science – PLTW, College Human Body Systems – PLTW, and College Medical Interventions – PLTW

**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.

**AP Seminar**

Course ID: RES302  
Credit: 1  
Grade Level: 10, 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. This course is recognized by the NCAA Clearinghouse as a core course for the purpose of college athletic eligibility.

**Research & Exhibition**

Course ID: RES301  
Credit: .5  
Grade Level: 11, 12  
Prerequisite: AP Seminar, Gold Medallion Honors Diploma Candidates

**Note:** You must currently be a valid Gold Medallion eligible or IBCP candidate in order to take this course.

**Course Description:** This course is required for the Final Exhibition for the Gold Medallion Honors Diploma. During this semester, the research proposal is presented, the research is completed, the research notebook is compiled, the reflective essay is written, rehearsals for exhibition are held, and the Final Exhibition is presented. Students completing Research & Exhibition with a grade of “A” or “B” and presenting a Final Exhibition will receive 1.0 points of distinction for class rank. It is highly recommended that Gold Medallion Honor Diploma Candidates take the required semesters consecutively. This course is not recognized by the NCAA Clearinghouse as a core course for the purposes of college athletic eligibility.
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

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

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 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
- Mill Certificate
- CPR Certificate
- OSHA Electrical Safety
- 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
- Mill Certificate
- CPR Certificate
- OSHA Electrical Safety
- Lathe Certificate
- NIMS Certificates
- OSHA Machine Guarding
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
- Computer Aided Drafting Certificate
- CPR Certificate
- OSHA Electrical Safety

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
- Computer Aided Drafting Certificate
- CPR Certificate
- OSHA Electrical Safety

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 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 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

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**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
Off Campus Programs: Northland CAPS

available in eCampus
(online learning)

Weighted

Gold Medallion course

Potential to earn college credit

Off Campus

General Elective courses.

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 Entrepreneurship

Course ID: NCS103  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.
Global Logistics

Course ID: NCS104  Credit: 3  Grade Level: 11, 12
Prerequisite: None

Course Description: This course is ideal for students who are detail-oriented and enjoy problem solving. Students will experience working with 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. Your experience in this strand will prepare you for one of the fastest growing fields. Examples of logistics jobs include distribution manager, event coordinator, urban planning, senior buyer, scheduler, and military logistics.

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.

As part of this career and technical education program, students will have the opportunity to earn .5 English credit and .5 Math credit for each year they attend the Career Center—appearing on their transcript as English IV and Technical Math. The English and Math assignments will correlate with what they are doing in class, and in most cases, they are already integrated in each program.

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 Education I

Course ID: STC119  Credit: 3  Grade Level: 11, 12
Prerequisite: Algebra I

Course Description: This is a two-year course designed for instruction in animal science, agricultural business, plant science, conservation, landscaping, biotechnology, food science, agricultural mechanics, career exploration, leadership and personal development, and supervised agricultural experiences. Students will possess the skills and knowledge to enter the workforce or continue with formal education. Along with industry specified skills and basic academic skills, this course emphasizes the 21st century skills necessary for gainful employment, such as attendance, teamwork, critical thinking, and work ethic. National FFA Organization will be a part of the curriculum and therefore it will be highly recommended that all students participate.

Agricultural Education II

Course ID: STC120  Credit: 3  Grade Level: 12
Prerequisite: Agricultural Education I (C or better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation

Course Description: Second year students will continue to focus on areas listed in Agricultural Education I with emphasize in bio-science, greenhouse, and food science. Students will be expected to focus on an area of interest and complete an end of the year research project. Leadership skills and National FFA Organization will continue to be an important part of the class.

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

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.

Course Description: The program provides advanced instruction on the construction of a house or building which may include areas mentioned in Building Trades 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 Building Trades I & II will provide opportunities for employment in residential or commercial construction.

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.

Optional: Six (6) hours of college credit by exam is available through Johnson County Community College (JCCC) after completing two (2) years of Culinary Arts. Two (2) hours of dual credit is also available through JCCC. Students may earn their ServSafe Protection Certificate through the National Restaurant Association.

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.

**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, 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.

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: Health Sciences I (grade of 80% or better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation. The same prerequisites as Health Sciences I apply. Second quarter, students must find a volunteer or work experience in a long-term health care facility or health care facility of their choice and only meet in class on Fridays. Students who receive pay for work must provide twenty (20) hours of documentation. Students who volunteer must provide twelve (12) hours of documentation. Students must provide their own transportation second semester.

Course Description: The second year of Health Sciences will include medical terminology, school to work, and enhancement of their knowledge in their chosen field. Second semester the students will participate in a health career internship which involves four days on the job and one day in the classroom. The students will be responsible for documenting their clinical internship 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; required to obtain a TB test on their own and provide documentation of results. In order to work offsite, it is highly recommended that students have their own transportation. Due to the nature of offsite work, behaviors, academics, and attendance policies are strictly followed.

Optional: Four (4) hours of Dual Credit is available through Missouri Western State University.

Course Description: This course offers onsite training, 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 include lesson planning and implementation in local schools. Coursework includes: child development, child health, safety, learning environments, approaches to learning, CPR and First Aid training, and employability skills, instructional practices, assessments, and behavior management.

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.

Optional: Six (5) hours of Dual Credit is available through Missouri Western State University.

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.

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; required to obtain a TB test on their own and provide documentation of results. In order to work offsite, it is highly recommended that students have their own transportation. Due to the nature of offsite work, behaviors, academics, 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.)
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; strong aptitude in computer applications, communications, and comprehension.

This is a one or two-year program.

There is an embedded .5 senior English credit. Text Reading Level: 12th grade.

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.

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.

Optional: Three (3) hours of college credit is available through Metropolitan Community College after completing two (2) years at NCC. Students may also earn up to nineteen (19) hours through credit by exam at MCC. 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.

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.

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

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

**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.

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**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. Internship opportunities their 2nd semester of their senior year are available for qualified candidates.

**Diesel Technology I**

Course ID: STC115  
Credit: 3  
Grade Level: 11, 12  
Prerequisite: None

**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.

**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

**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.
**Manufacturing**

**Heating, Ventilation, Air Conditioning, and Refrigeration I**

- **Course ID:** STC111  
- **Credit:** 3  
- **Grade Level:** 11, 12  
- **Prerequisite:** Recommended: Algebra I, Physics, and Drafting Technology  

**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, Ventilation, Air Conditioning, and Refrigeration II**

- **Course ID:** STC112  
- **Credit:** 3  
- **Grade Level:** 12  
- **Prerequisite:** Heating, Ventilation, Air Conditioning, and Refrigeration I (C or better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation  

Optional: Fourteen (14) hours of college credit by exam is available through Metropolitan Community College (MCC) after completing two (2) years at NCC. Twelve (12) hours of college credit is available through Missouri Western State University after completing two (2) years at NCC. Twenty-six (26) hours of college by exam is available through Ranken Technical College after completing two (2) years of HVAC-R. Advanced wage scale placement is also available in the Pipe Fitter Apprenticeship Program.

**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.

**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: Six (6) hours of dual credit with the possibility of 3-6 additional hours 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: 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 competing 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 earn a one-year-certificate if they meet the following qualifications:

- C average or better for both semesters in Industrial Welding  
- C average or better in English for both semesters at NCC  
- Student is eligible for graduation at his or her home high school  
- Student meets the attendance requirements both semesters  
- NCC Exit Survey completed and turned into NCC office  
- All fines and fees paid to NCC office  
- Complete 525 of the program training hours  
- 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 a 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 one 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:** Six (6) hours of dual credit with the possibility of 3-6 additional hours 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 two-year program allows students to earn dual credit towards an Associate’s Degree and/or certification in a variety of areas related to the manufacturing industry (for example: CAD, CNC, HVAC, Industrial Electrical, Industrial Maintenance, Major Appliance Technology, Millwright, Welding and more). Cutting edge technology has changed the way products are manufactured in the United States and abroad. These changes have increased the need for specialized careers in the development and maintenance of the computers/machines that produce the goods we use on a daily basis. This program is located at the Metropolitan Community College Business & Technology center and utilizes a variety of lab space and equipment to assist students choosing the manufacturing career that is right for them.  

**Optional:** 10 hours of college dual credit is available through MCC – Please check for availability.

**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. Program will continue to be located at the Business & Technology Center.

**Optional:** 12 hours of college dual credit is available through MCC – Please check for availability.
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

Personal Plan of Study
A Personal Plan of Study 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 Personal Plan of Study. 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.
# Career Planning and Education Guide

## General Education

(\textit{Missouri Graduation Requirements})

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## English Language Arts

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<td>Teacher Approval</td>
<td>47</td>
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<tr>
<td>College Argumentation and Debate III/IV</td>
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## Mathematics

<table>
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<tr>
<td><strong>9th Grade Must Select One</strong></td>
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<tr>
<td>Intro to HS Math</td>
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<td>Honors Geometry Recommendation: B or higher</td>
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**10th & 11th Grade Must Select One per Year – Any 9th Grade Course or One Listed Below**

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<td>Intermediate Algebra</td>
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<td>College Algebra</td>
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<td>10,11,12</td>
<td>X</td>
<td>College Algebra II or Transition to College Algebra</td>
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<tr>
<td>Honors PreCalculus</td>
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<td>10,11,12</td>
<td>X</td>
<td>Honors Algebra II or Algebra II with teacher recommendation</td>
<td>51</td>
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<tr>
<td>College Calculus I/ AP Calculus A/B</td>
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## Science

<table>
<thead>
<tr>
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<td><strong>9th Grade Must Select One</strong></td>
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<tr>
<td>Physics</td>
<td>1</td>
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<tr>
<td>Honors Physics</td>
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<td>Algebra I – can be taken concurrently</td>
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**10th Grade Must Select One – Any 9th Grade Course or One Listed Below**

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<tr>
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<th>Pre-Requisites</th>
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<td>10,11,12</td>
<td>X</td>
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<td>54</td>
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<tr>
<td>Human Anatomy &amp; Physiology</td>
<td>1</td>
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<td>Biology/Honors Biology – Honors Biology can be taken concurrently</td>
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<tr>
<td>College Physics</td>
<td>1</td>
<td>10,11,12</td>
<td>X</td>
<td>Honors Physics and Algebra I or Teacher Recommendation</td>
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**11th Grade Must Select One – Any 9th or 10th Grade Course or One Listed Below**

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</thead>
<tbody>
<tr>
<td>AP Physics 1</td>
<td>1</td>
<td>11,12</td>
<td>X</td>
<td>Honors Physics and Algebra II (Algebra II may be concurrent), or Teacher Recommendation</td>
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<tr>
<td>AP Physics 2</td>
<td>1</td>
<td>11,12</td>
<td>X</td>
<td>AP Physics 1 and Algebra II (Algebra II may be taken concurrently), or Teacher Recommendation</td>
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</tr>
<tr>
<td>College Chemistry/ Honors Chemistry II</td>
<td>1</td>
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<td>X</td>
<td>Honors Chemistry and Algebra II (Algebra II may be taken concurrently), or Teacher Recommendation</td>
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<tr>
<td>AP Chemistry</td>
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## Science (continued)

<table>
<thead>
<tr>
<th>Course</th>
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<th>Grade</th>
<th>GMHD</th>
<th>Pre-Requisites</th>
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</tr>
</thead>
<tbody>
<tr>
<td>College Biology</td>
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<td>X</td>
<td>Must take two of the following: Biology, Chemistry, and/or Human Anatomy &amp; Physiology</td>
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<tr>
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### 12th Science Grade Elective – Any 9th, 10th or 11th Grade Course

## Social Studies

<table>
<thead>
<tr>
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<th>Pre-Requisites</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>World History</td>
<td>1</td>
<td>9</td>
<td></td>
<td></td>
<td>58</td>
</tr>
<tr>
<td>Honors World History</td>
<td>1</td>
<td>9</td>
<td>X</td>
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### 9th Grade Must Select One

### 10th Grade Must Select One

### 11th Grade Must Select One

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>American Citizenship</td>
<td>1</td>
<td>11</td>
<td></td>
<td></td>
<td>59</td>
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<tr>
<td>AP Government Politics US</td>
<td>1</td>
<td>11,12</td>
<td>X</td>
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<td>60</td>
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<tr>
<td>AP Comparative Government &amp; Politics</td>
<td>1</td>
<td>11,12</td>
<td>X</td>
<td></td>
<td>61</td>
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<tr>
<td>College US Government</td>
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<td>11,12</td>
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### Social Studies Electives – GMHD must select 1

<table>
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<th>Pre-Requisites</th>
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<tr>
<td>AP Human Geography</td>
<td>1</td>
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<td>X</td>
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<td>Military History</td>
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<td>58</td>
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<tr>
<td>AP World History</td>
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<td>10,11,12</td>
<td>X</td>
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<td>60</td>
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<tr>
<td>AP US History</td>
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<td>10*,11,12</td>
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<td>Psychology</td>
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<tr>
<td>Sociology</td>
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## Modern Languages

*Note: 9* - Students in 9th grade may enroll in class upon successful completion of yearlong 8th grade course

<table>
<thead>
<tr>
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<td>College French V</td>
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### French

### German

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<tbody>
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<td>German III</td>
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<td>German II</td>
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<td>College German III</td>
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### Modern Languages (continued)

**Note:** 9*- Students in 9th grade may enroll in class upon successful completion of yearlong 8th grade course

<table>
<thead>
<tr>
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### Fine Arts – Must Select One Credit

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<tbody>
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<td>Art I</td>
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<td></td>
<td>66</td>
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<tr>
<td>Advanced Visual Art Photog</td>
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<td>10,11,12</td>
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<td>Visual Art Photography</td>
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<tr>
<td>Drawing, Painting, Printmaking: 2D Media</td>
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<td>Art I</td>
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<tr>
<td>Clay and Sculpture: 3D Media</td>
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<td>10,11,12</td>
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<td>Art I or Visual Art Photography</td>
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<tr>
<td>Graphic Design</td>
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<td>10,11,12</td>
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<td>Art I or Visual Art Photography</td>
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<td>10*,11,12</td>
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<td>*Grade 10 may take this course with an AP Art History teacher recommendation</td>
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<tr>
<td>AP Studio Art</td>
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<td>11,12</td>
<td>X</td>
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### Music

<table>
<thead>
<tr>
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<th>Grade</th>
<th>GMHD</th>
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<tbody>
<tr>
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<tr>
<td>Music Theory</td>
<td>1</td>
<td>10,11,12</td>
<td></td>
<td>Read music fluently</td>
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<tr>
<td>AP Music Theory</td>
<td>1</td>
<td>11,12</td>
<td>X</td>
<td>Read music fluently</td>
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### Music – Instrumental

<table>
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<tr>
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<tbody>
<tr>
<td>Chamber Orchestra</td>
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<td>9,10,11,12</td>
<td></td>
<td>MS string experience or lessons</td>
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<tr>
<td>Concert Band</td>
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<td>9,10,11,12</td>
<td></td>
<td>MS band experience or 2 years of private lessons, and audition</td>
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</tr>
<tr>
<td>Symphonic Orchestra</td>
<td>1</td>
<td>9,10,11,12</td>
<td></td>
<td>Audition</td>
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<tr>
<td>Symphonic Band</td>
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<td>9,10,11,12</td>
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<td>Audition</td>
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</tr>
<tr>
<td>Jazz Band</td>
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<td>Audition</td>
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### Music – Vocal

<table>
<thead>
<tr>
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<tbody>
<tr>
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<td>9</td>
<td></td>
<td>Audition</td>
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<td>Sophomore Choir</td>
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<td>10</td>
<td></td>
<td>Audition</td>
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<td>Mixed Choir</td>
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<td>10,11,12</td>
<td></td>
<td>Audition</td>
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<td>Treble Choir</td>
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<td>10,11,12</td>
<td></td>
<td>Audition</td>
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<td>Show/Jazz Choir</td>
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<td>Audition and concurrent in A Cappella Choir</td>
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### Theater

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<td>Theater IV</td>
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### Physical Education – Must Select One Credit

*Note: All may be repeated for credit*

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### Practical Arts – Must Select One Credit

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### Business & Marketing – Business Management & Administration

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<td>Comp Programming Capstone</td>
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<td>At least two of the following courses: College Computer Science Essentials – PLTW, Computer Science Principles – PLTW, or Computer Science A – PLTW</td>
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### Business & Marketing – Computer Science

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<td>Marketing Principles</td>
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<td>College Marketing</td>
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<td>Marketing Principles</td>
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<td>Sports Marketing</td>
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<td>11,12</td>
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<td>Marketing Principles or by Teacher Approval</td>
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<td>Marketing Internship</td>
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<td>Concurrent enrollment in Marketing Principles, Marketing Advanced, or Entrepreneurship</td>
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### Practical Arts – Must Select One Credit (continued)

#### Practical Arts – Family and Consumer Science

<table>
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<td>Application and Foods for Life</td>
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<td>Application, Teacher Approval and ProStart Foods Level I</td>
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**Family & Consumer Science – Culinary Arts**

*Note: This pathway is offered as a career-related pathway in the IB Career-related (IBCP) program.*

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<th>Pre-Requisites</th>
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**Family & Consumer Science – Housing Environments & Design**

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<td>Fashion &amp; Interiors</td>
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**Family & Consumer Science – Fashion Merchandising & Production**

<table>
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<th>Pre-Requisites</th>
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<tbody>
<tr>
<td>Fashion &amp; Interiors</td>
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<td>9,10,11,12</td>
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<td>Advanced Fashion Design &amp; Construction</td>
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<td>Fashion &amp; Interiors</td>
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<td>College Advanced Fashion Design &amp; Construction</td>
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<td>Fashion &amp; Interiors</td>
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<tr>
<td>Apparel Construction</td>
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<td>11,12</td>
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<td>Advanced Fashion Design &amp; Construction</td>
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<td>Fashion/Interior Design &amp; Merchandising</td>
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**Family & Consumer Science – Human Services**

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<th>Pre-Requisites</th>
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<td>Child Development I</td>
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<td>Child Development II</td>
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<td>Child Development I. Note: This course only offered at NK, ST, and WHS</td>
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<td>Child Dev Learning Center I</td>
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<td>Note: This course only offered at OP</td>
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<tr>
<td>Child Dev Learning Center II</td>
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<td>Child Development Learning Center I. Note: This course only offered at OP</td>
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<td>FACS Internship</td>
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<td>Successful completion of entry-level FACS course; teacher approval; transportation provided by student</td>
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<td>Marriage &amp; Family</td>
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**Family & Consumer Science – Journalism**

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<td>9,10,11,12*</td>
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<td>Journalism 1 Broadcast</td>
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<td>9,10,11,12*</td>
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<td>Journalism 1 Photography</td>
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<td>Journalism 2 Multi-Media</td>
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<td>Journalism 2 Yearbook</td>
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<td>Journalism 2 Broadcast</td>
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<td>Journalism 2 Laboratory</td>
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<td>See recommendations in course descriptions. *Grade 10 with teacher approval</td>
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### Practical Arts – Must Select One Credit (continued)

#### Practical Arts – Technology & Engineering

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<td>Home Maintenance &amp; Repair</td>
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<td>Woodworking I</td>
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<td>Woodworking III</td>
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#### Technology & Engineering – Architecture & Construction

**Note:** This pathway is offered as a career-related pathway in the IB Career-related (IBCP) program.

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<td>Woodworking III</td>
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<td>Woodworking II</td>
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#### Technology & Engineering – Science, Technology, Engineering, and Mathematics

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<td>Coll Principles of Engineering – PLTW</td>
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<td>College Engineering Design &amp; Development – PLTW</td>
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#### General Electives

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<tr>
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<td>Biology or Pre-AP Biology</td>
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### General Electives (continued)

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### Career and Technical Education Center (CTEC) (Off Campus)

*Note: All programs require application and approval*

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### Business & Technology Center (BTC) – Metropolitan Community College – Off Campus

*Note: All programs require application and approval*

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<td>Coll Computer Integrated Machining &amp; Manufacturing II</td>
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### Northland CAPS (NCAPS) – Off Campus

*Note: All programs require application and approval*

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<tr>
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## Northland Career Center (NCC) – Off Campus Programs

*Note: All programs require application and approval*

Busses leave as early as 7:15 am and return as late as 3:15 pm; district does not provide transportation between home and high school

<table>
<thead>
<tr>
<th>Course</th>
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<td><strong>NCC – Hospitality and Tourism</strong></td>
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### North Kansas City Schools

**COURSE ENROLLMENT – PERSONAL PLAN OF STUDY**

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<th>H. Post-Secondary Plans (Check One)</th>
<th>I. Diploma Option (Check One)</th>
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<tr>
<td><em>1. Agriculture, Food &amp; Natural Resources</em></td>
<td><em>1. High School Graduate (enter work force)</em></td>
<td><em>Career/College Readiness (26 credits)</em></td>
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<td><em>2. Architecture &amp; Construction</em></td>
<td><em>2. Military</em></td>
<td><em>Gold Medallion (26 credits)</em></td>
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<tr>
<td><em>3. Arts, A/V Technology &amp; Communication</em></td>
<td><em>3. Apprenticeship/Trade School</em></td>
<td><em>IB Diploma (26 credits)</em></td>
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<td><em>4. Business, Management &amp; Administration</em></td>
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<td><em>IBCP Diploma (26 credits)</em></td>
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<td><em>14. Marketing, Sales &amp; Service</em></td>
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