



Extraordinary Educational  
Experiences

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***Career Planning & Education Guide***  
***Grades 9, 10, 11, & 12***  
***2025-2026***

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**OAK PARK HIGH SCHOOL**  
**NORTHMEN**

For the most updated version view: <https://bit.ly/2425OakParkCPEG>

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## *Message from the Superintendent*

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January 6, 2025

Dear Students and Families,

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

North Kansas City Schools strives 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, PK-12 career programs and A+ high schools. We are known for offering distinguished diploma options, including the *Gold Medallion Honors Diploma*, the *AP Capstone Diploma*, and the *International Baccalaureate Diploma*.

College & Career Pathways is now in its fifth year of implementation. Pathways enhance students' experiences by learning through an industry lens while engaging in rigorous coursework. This year, all high school students (ninth through twelfth grade) will select a pathway based on their interests and goals. A student's pathway offers great opportunity to connect with peers, gain hands-on experience in the field, and engage more deeply with the curriculum.

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.

Make your educational experiences extraordinary by using the *2025-26 Career Planning & Education Guide* to explore the world of possibilities that exist for you. North Kansas City Schools will partner with you to create an Individual Career and Academic Plan (ICAP) to help make your goals a reality. We look forward to the journey ahead.

Sincerely,



Rochel Daniels, Ph.D.

Superintendent of Schools

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# *High School Individual Career and Academic Plan (ICAP)*

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## ***Pathways***

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.

## ***Diploma Options***

*North Kansas City Schools currently offers five diploma options for graduates, all requiring 26 credits.*

- **Career/College Readiness Diploma**  
Graduates are recognized as having met entrance requirements for most Missouri universities. Work with your Counselor for more guidance.
- **Gold Medallion Honors Diploma**  
Graduates receive honors and are recognized for completing a rigorous program designed to meet all entrance requirements for the University of Missouri system as well as most universities nationwide.
- **AP Capstone Diploma**  
Graduates receive honors and are recognized for completing the AP Capstone courses, earning a 3 or above on the assessments, as well as earning a 3 or above on four additional AP courses throughout their high school career.

## ***Middle School Classes Counting for High School Credit***

*(High School Algebra, Geometry, and Global Language)*

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

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

## Diploma Credits Required

Paths to Graduation			
DIPLOMA OPTIONS:	Career/College Readiness	Gold Medallion	AP Capstone
ENGLISH LANGUAGE ARTS	4	4	4
MATHEMATICS	4	4	4
SCIENCE	3	3	3
SOCIAL STUDIES	3	4	3
FINE ARTS	1	1	1
PRACTICAL ARTS	1	1	1
PHYSICAL EDUCATION	1	1	1
HEALTH	0.5	0.5	0.5
PERSONAL FINANCE+	0.5+	0.5+	0.5+
ELECTIVES	8	4	6
GLOBAL LANGUAGE		2	
AP SEMINAR		1	1
AP RESEARCH			1
THEORY OF KNOWLEDGE			
PERSONAL AND PROFESSIONAL SKILLS			
CAREER RELATED STUDY			
<b>TOTAL CREDITS REQUIRED</b>	<b>26</b>	<b>26</b>	<b>26</b>
<i>All students will be required to complete a service component</i>			

+ **Personal Finance** will be an online course, with blended support

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

### Credit Recovery & Grade Replacement

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

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

## Career/College Readiness Diploma

Career/College Readiness Diploma		
ENGLISH LANGUAGE ARTS	4	Must include English Language Arts I and II, plus an approved third and fourth year course
MATHEMATICS	4	Must include Algebra I and Geometry ( <b>a college readiness pathway will include Algebra I, Geometry, Algebra II and one additional math credit</b> )
SCIENCE	3	Must include Biology, Chemistry, and an additional Science course
SOCIAL STUDIES	3	Must include World History/AP Human Geography, US History, and AP Government
FINE ARTS	1	
PRACTICAL ARTS	1	
PHYSICAL EDUCATION	1	
HEALTH	0.5	
PERSONAL FINANCE +	0.5+	Will be an online course, with blended support
ELECTIVES	8	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.
GLOBAL LANGUAGE		<i>Two credits of Global Language are strongly recommended if student's education plans include enrollment where admission requires two years of the same Global Language.</i>
<b>TOTAL CREDITS</b>	<b>26 Credits</b>	

### **Graduation Requirements for North Kansas City Schools Service to Community Hours**

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

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

## Gold Medallion Honors Diploma

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

### Who should seek the Gold Medallion honors Diploma?

- The student who is academically able and highly motivated.
- The student who wants a jump start on earning college credit and wants to do real life projects.
- The student who is willing to work for having this diploma of distinction.

Gold Medallion Honors Diploma		
ENGLISH LANGUAGE ARTS	4	Must include English Language Arts I and II and two <u>advanced</u> ELA courses (e.g AP Language & Composition, AP Literature & Composition, College English)
MATHEMATICS	4	Must include Algebra I, Geometry, Algebra II and one credit of additional <u>advanced</u> math
SCIENCE	3	Must include Biology, Chemistry, and an additional Science course
SOCIAL STUDIES	4	Must include World History/AP Human Geography, US History, and AP Government, and one additional Social Studies elective (e.g., AP Psychology, AP United States History, AP World History: Modern, Psychology, or Sociology, AP Human Geography)
FINE ARTS	1	
PRACTICAL ARTS	1	
PHYSICAL EDUCATION	1	
HEALTH	0.5	
PERSONAL FINANCE +	0.5+	
ELECTIVES	4	ADDITIONAL CREDITS in Global Language and/or additional advanced courses from ELA, Mathematics, Science, Social Studies, Fine Arts and Practical Arts
GLOBAL LANGUAGE	2	Must include two credits of the same language
AP SEMINAR	1	
<b>TOTAL CREDITS</b>	<b>26 Credits</b>	

### Additional requirements for Gold Medallion Diploma

- Earn a cumulative grade point average (GPA) of 3.2 grade or above, including college credit courses.
- Perform at or above the 85<sup>th</sup> percentile on an 11<sup>th</sup> or 12<sup>th</sup> grade national standardized academic test (ACT or SAT).
- Within the 26 required credits, 8 or more must be in Honors, Dual Credit, or AP courses.
- Algebra I, Honors Geometry, and Global Language taken in middle school will count towards Gold Medallion.
- Participate in 100 hours of community service, tutoring, or mentoring.
- Complete School to Career experiences through student's chosen Pathway.
- Successful completion of AP Seminar with a grade of B or above each semester.
- Develop a comprehensive portfolio with examples of best work, extracurricular participation, and reflection.

**Gold Medallion Honors Diploma** candidates may appeal to the principal for a waiver in extreme situations. The intent, however, is to keep the diploma standards high. Planning ahead is essential and should begin during the 9<sup>th</sup> grade year. AP Seminar and AP-graded performance task presentations and AP exam and required preparation semesters may not be waived 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, Gifted Resource Specialist, or call the Executive Director of Academic Services at (816) 321-6030

## AP Capstone Diploma

Participating in AP Capstone can help students:

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

AP Capstone Diploma		
ENGLISH LANGUAGE ARTS	4	Must include English Language Arts I and II, plus an approved third and fourth year course
MATHEMATICS	4	Must include Algebra I and Geometry ( <b>a college readiness pathway will include Algebra I, Geometry, Algebra II and one additional math credit</b> )
SCIENCE	3	Must include Biology, Chemistry, and an additional Science course
SOCIAL STUDIES	3	Must include World History/AP Human Geography, US History, and AP Government
FINE ARTS	1	
PRACTICAL ARTS	1	
PHYSICAL EDUCATION	1	
HEALTH	0.5	
PERSONAL FINANCE	0.5+	Will be an online course with blended support
ELECTIVES	6	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.
GLOBAL LANGUAGE		<i>Two credits of Global Language are strongly recommended if student's education plans include enrollment where admission requires two years of the same Global Language.</i>
AP SEMINAR	1	Student must score a 3 or above on the AP Seminar Exam
AP RESEARCH	1	Student must score a 3 or above on the AP Research Exam
<b>TOTAL CREDITS</b>	<b>26 Credits</b>	

### Additional requirements for AP Capstone Diploma

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

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

For more information about the AP Capstone Diploma, see your high school counselor, the district website, Gifted Resource Specialist, or call the Executive Director of Academic Services at (816) 321-

## ***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 or components of the AP Capstone 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 allows students to be recognized for accepting the academic challenges of advanced courses and not be adversely impacted by grades in such rigorous coursework.

## ***Weighted Courses***

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

## ***Class Rank***

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

When a student is reclassified from 11<sup>th</sup> to 12<sup>th</sup> 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 2025 (Class of 2025) with current grade level 11 is reclassified to 12<sup>th</sup> grade and graduates May 2025, they will be EXCLUDED from the class rank of the cohort 2025 (Class of 2025).

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 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup>, and 8<sup>th</sup> semesters.*

## ***Students in Academically Gifted Education (SAGE)***

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

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

*For additional information please contact Kate Place, Principal of Gifted Programs at (816) 321-5350.*

## ***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, AP Capstone Diploma, or the International Baccalaureate Diploma earn honors status. Requirements include successful completion of eight or more credits in Honors courses. Honors, Pre-IB or AP courses may be selected from specially designated offerings at the freshman/sophomore level and from any honors, dual credit, AP, or IB course at the junior/senior level.

## ***How Do I Decide?***

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

- Have consistently earned As or Bs in the selected area(s) of coursework in middle school.
- Have standardized test achievement score(s) in the 80<sup>th</sup> 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.

## ***North Kansas City Schools Catalyst***



NKC Schools Catalyst is a district-wide program available at each of the four high schools that identifies and supports high-performing, economically disadvantaged students to attend and graduate from the nation's most selective and affordable colleges.

Eligible 10th graders may apply at the start of second semester when the application opens. Catalyst requires prospective scholars to have at least a 3.5 weighted GPA and for families to provide household financial information demonstrating financial need in the eyes of colleges. Sophomores who become Catalyst Semi-Finalists will have on-site interviews at their schools in

April. Final acceptances are made by the end of the school year. Accepted scholars begin programming at the start of their 11th grade year.

11th Grade Catalyst programming focuses on helping students better understand the college application process, how to best present themselves on these applications, and exploring the best college options available to them. Additionally, students receive individualized academic advising, writing support for scholarships, free ACT prep, and free out-of-state summer college tours the summer between 11th and 12th grade.

12th Grade Catalyst programming focuses on helping students finalize their college application list, planning out their application timetable, and supporting students with their college and scholarship applications. Additionally, Catalyst works with scholars and their families to ensure they complete the necessary financial aid forms to be eligible for maximum need-based college scholarships and grants. Catalyst scholars will continue to receive support from the program after graduation as they matriculate to their respective colleges and universities.

To learn more about Catalyst, please visit <http://www.nkcschools.org/catalyst> or contact Postsecondary Success Coordinator Dr. Lori Dameron at [Lori.Dameron@NKCSchools.org](mailto:Lori.Dameron@NKCSchools.org) or 816.321-4432.

## ***Advanced Placement Programs***

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

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

Additional information also may be found online at [www.collegeboard.org/ap](http://www.collegeboard.org/ap).

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

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

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

Student eligibility is determined by the university awarding credit.

## ***Transferability of Credit***

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

## ***Project Lead the Way (PLTW)***

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

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

The PLTW Biomedical Sciences Program prepares student to take advantage of the tremendous career opportunities available in health and science. The hands-on project-based and problem-based curriculum engages students, allows them to explore the wide variety of health care and science career options, and equips them with the knowledge and skills necessary to succeed in any post-secondary biomedical program.

Whether designing apps to meet client needs or exploring cybersecurity, PLTW Computer Science engages students in interdisciplinary activities that not only build knowledge and skills in computer science, but also empower students to develop essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance. The program's courses empowers students with in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they choose.

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


## ***Seal of Biliteracy***

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



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## Online Learning Fueled by Launch

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

### Launch Courses

#### **Advanced Placement**

AP Calculus AB (1.0)  
AP Calculus BC (1.0)  
AP Computer Science Principles (1.0)  
AP Computer Science A (1.0)  
AP English Lit & Comp (1.0)  
AP European History (1.0)  
AP Physics (1.0)  
AP Psychology (1.0)  
AP Statistics (1.0)  
AP Studio Art 2-D Design (1.0)  
AP US Gov. & Politics (1.0)  
AP US History (1.0)  
AP World History (1.00)

#### **Electives**

A+ Tutoring (.5)  
ACT Prep (.5)  
Algebra I Math Lab (.5)  
Algebra II Math Lab (.5)  
College Ready Math (1.0)  
Driver Education (.5)  
Employment Internship (.5)  
Film as Literature I (.5)  
Film as Literature II (.5)  
Geometry Math Lab (.5)  
Student Leadership (STAR) (.5)  
Volunteerism (.5)

#### **English Language Arts**

Contemporary Lit (1.0)  
Creative Writing I (.5)  
Creative Writing II (.5)  
English I (1.0)  
English II (1.0)  
English III (1.0)  
English IV (1.0)  
Grammar & Comp. I (1.0)  
Grammar & Comp. II (1.0)  
Introductory Speech (1.0)  
Strategic Reading and Writing I (.5)

#### **Fine Arts**

Art Foundations (1.0)  
Fine Arts Appreciation I: Music (.5)  
Fine Arts Appreciation II: Art (.5)  
Music Theory I (.5)  
Music Theory II (.5)  
Theater I (1.0)

#### **Health and Physical Education**

Health (.5)  
Lifetime Fitness (.5)  
Physical Education I (.5)  
Physical Fitness (.5)  
Outdoor Living & Safety (.5)

#### **Practical Arts**

Accounting I (1.0)  
Agricultural Sales & Marketing (1.0)  
Agricultural Science I-Agribusiness (1.0)  
College Accounting I (1.0)  
Computer Applications (.5)  
Computer Science Essentials-PLTW (1.0)  
Digital Communications (.5)  
Economics (.5)  
FACS Internship (.5)  
Global Distribution & Logistics I (1.0)  
Hospitality & Tourism Management (1.0)  
Hospitality & Tourism Management II (1.0)  
Human Body Systems-PLTW (1.0)  
Human Development I (1.0)  
Intro. To Business (1.00)  
Intro. to Computer Science (.5)  
Intro to Engineering Design-PLTW (1.0)  
Marketing I (1.0)  
Marketing II (1.0)  
Personal Finance (.5)  
Principles of Biomedical Science (1.0)  
Principles of Engineering (1.0)  
Teaching as a Profession I (1.0)  
Teaching as a Profession II (1.0)  
Web Design (.5)

#### **Science**

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

#### **Social Studies**

American Baseball History (.5)  
American Civil War (.5)  
Black History (.5)  
Government (1.00)  
Liberty & Law (.5)  
Psychology of the Holocaust (1.0)  
Psychology (.5)  
Sociology (.5)  
United States History (1.0)  
World Geography (.5)  
World History (1.0)

#### **Mathematics**

Algebra I (1.0)  
Algebra II (1.0)  
College Algebra (1.0)  
Coll Precalculus with Trigonometry (1.0)  
Foundations of Algebra (1.0)  
Geometry (1.0)  
Precalculus (.5)  
Statistics (1.0)  
Trigonometry (.5)

#### **World Languages**

French I (1.0)  
French II (1.0)  
French III (1.0)  
French IV (1.0)  
German I (1.0)  
German II (1.0)  
Japanese I (1.0)  
Japanese II (1.0)  
Spanish I (1.0)  
Spanish II (1.0)  
Spanish III (1.0)

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

### ***Missouri Course Access Program (MOCAP)***

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

### ***Early College Academy: Advanced Technical Skills Institute (ATSI)-MCC***

Students participating in the MCC-Penn Valley-Advanced Technical Skills Institute (ATSI) Early College Program are provided hands-on opportunities to gain knowledge and learn technical skills to help them be industry ready for careers in the fields of heating ventilation and air conditioning, engineering technology, building maintenance and construction, and welding. Students will attend classes in person at the ATSI-Penn Valley campus for half of their school day. This program is for juniors and seniors, transportation is provided to the ATSI campus.

This program is a great option for students who want to go to work after high school, prefer to learn with their hands and heads, want to build their resume, or are unsure about what career/major they are interested in pursuing.

Participants in the program earn college credits towards earning a certificate and can apply these credits towards completing an Associate in Applied Science degree.

Program availability is dependent on enrollment minimums set by MCC-ATSI program directors.

### ***Early College Academy Programs***

NKC Schools has partnered with several institutions of higher education to give students the opportunity to learn on college campuses.

Dual enrollment programs offer high school students a unique opportunity to get a head start on their college education. By taking college courses while still in high school, students can earn both high school and college credits simultaneously, saving time and money. These programs not only enhance academic rigor but also allow students to explore their interests, develop critical skills, and ease the transition to college life. With access to college-level resources and instructors, dual enrollment can empower students to achieve their educational and career goals while gaining a competitive edge for their future. We encourage students to embrace the chance to advance their learning and expand their horizons today!

**Any questions regarding Early College Academy at MCC Maple Woods, UMKC, Collegiate Nursing Academy-William Jewell or MCC Advanced Technical Skills Institute, contact Director Early College Programs, Shannon Gilliland 816-321-4672 or [Shannon.gilliland@nkcschools.org](mailto:Shannon.gilliland@nkcschools.org)**

Students who start the program as a junior will have an opportunity to earn their [Associate in Arts degree](#) or Core 42 Certificate.

### CORE 42 Knowledge Areas and Distribution Requirements

Knowledge Area	Distribution Requirement
Social & Behavioral Sciences	Nine (9) credit hours minimum, from at least two (2) disciplines, including at least one Civics course.**
Written Communications	Six (6) credit hours minimum.
Oral Communications	Three (3) credit hours minimum.
Natural Sciences	Seven (7) credit hours minimum, from at least two (2) disciplines, including one course with a lab component.
Mathematical Sciences	Three (3) credit hours minimum. Mathematical Sciences courses that use one of the pathways courses as a prerequisite will meet the general education credit for math. For example, Calculus meets the general education math requirement since Pre-Calculus Algebra is a prerequisite.
Humanities & Fine Arts	Nine (9) credit hours minimum, from at least two (2) disciplines. There is a limit of three (3) credit hours of Performance (PERF) courses that can be applied to the Humanities & Fine Arts Knowledge Area and to the total CORE 42.

**The number of hours listed above only total 37 credit hours. The remaining 5 credit hours may be taken from other MOTR courses, distributed across the knowledge areas.**

**\*\*Note that the civics requirement in CORE 42 is different from and does not fulfill the requirements of RSMo 170.013, Missouri Higher Education Civics Achievement Examination.**

### Associate in Arts Degree

**Purpose Statement:** The Metropolitan Community College Associate in Arts degree provides a well-rounded educational foundation that prepares students as citizens in a democratic society, aids in their selection of an appropriate major/career path and provides a path to complete a baccalaureate degree. *Note: Credits listed under MOTR and MCC indicate the minimum number of credits needed to fulfill the respective requirement.*

[Learn More](#)

CIVICS EXAM	Missouri Law (SB807) requires all public colleges and universities to administer a civics exam to students as a requirement for graduation. Students must score at least 70% on the exam before they can receive a degree.	
DIVERSITY COURSE	Required Diversity Course: Courses marked with a globe (G) are diversity courses. Choose one of the indicated courses to fulfill the Diversity requirement. Additional MCC courses carrying the Diversity designator can be found <a href="#">here</a> .	
<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>Core 42/MOTR Credit Hours</b>	<b>MCC Credit Hours</b>
ORAL COMMUNICATIONS	3	3
WRITTEN COMMUNICATIONS	6	6
MATHEMATICAL SCIENCES	3	3
SOCIAL AND BEHAVIORAL SCIENCES	9	9
NATURAL SCIENCES (7 credit minimum, with two courses from two different disciplines, including at least one course with lab).	7	7
HUMANITIES AND FINE ARTS	9	12
MINIMUM MOTR REQUIRED CLASSES	37	40
ADDITIONAL MOTR ELECTIVES	5	2
TOTAL GENERAL EDUCATION CREDIT HOURS	42	42
GENERAL DEGREE REQUIREMENTS	Credits to complete AA degree	
AA DEGREE ELECTIVES*	18	18
<b>Total Credit Hours Required for Associate in Arts Degree</b>		<b>60 Credit Hours (minimum)</b>

\*A student may take any 100 level or higher MCC course(s) to satisfy the elective requirements for the AA. Courses may only be used to fulfill one requirement. Non MOTR courses are not guaranteed to transfer, and some may require prerequisite work. Students should consult with academic advisors both at MCC and any planned transfer institutions. Recommended electives are lists of suggested courses designed to help students gain expertise in a specific area of study while pursuing the AA. These courses are not guaranteed to transfer, and some may require prerequisite work. Students should consult with academic advisors both at MCC and any planned transfer institutions.

## ***Early College Academy: University Missouri Kansas City***

The UMKC-NKC Early College Academy is being offered to students who will be seniors in the 2025-2026 school year. This is an excellent opportunity for students to gain experience navigating a large college or university campus after high school. UMKC offers a wide array of classes - especially the Arts, Engineering, Business, just to name a few.

Early College Academy scholars will earn between 9-12 college hours per semester of enrollment at University Missouri Kansas City. Seniors can apply to the Early College Academy and choose a half day or full day schedule. These college courses will concurrently count toward high school graduation requirements AND a college degree.

These courses may be part of the CORE 42 that are transferrable to any publicly funded 4-year college or university in Missouri. Students can make substantial progress toward earning a degree as they begin their post-secondary career. The students may transfer the coursework to other colleges or universities. Students who are accepted and meet program expectations will have tuition/books/fees and individual supports provided.

Click the link to learn more about [UMKC-NKC ECA](#) program.

## ***Early College Academy: Collegiate Nursing Academy-William Jewel College***

***Students must provide their own transportation for this program.***

The Collegiate Nursing Academy is being offered to students who will be seniors in the 2025-2026 school year. This program is designed to provide students a learning experience in healthcare that exposes participants to the Nursing profession, the educational expectations and academic rigor expected of those who plan to enter the nursing field, clinical experience, and the necessary preparation to earn the Certified Nurse Assistant (CNA) certification.

All participants will receive instruction from college-level faculty at William Jewell College for their required 75 hours of coursework, 100 hours of real-world clinical experience with teaching nurses at Liberty Hospital or North Kansas City Hospital and 7.5 free nursing credits. All students who successfully complete the required coursework will be eligible to sit for the state of Missouri CNA certification exam. Students who successfully achieve certification are guaranteed an employment interview with North Kansas City Hospital.

During the Fall semester students will be enrolled Anatomy through WJC and in another general education course in the Spring semester.

Program requirements and application available at <https://www.nkcschools.org/district/dept/eca/eca-collegiateanursingacademy>

**Any questions regarding Early College Academy at MCC Maple Woods, UMKC, Collegiate Nursing Academy-William Jewell or MCC Advanced Technical Skills Institute, contact Director Early College Programs, Shannon Gilliland 816-321-4672 or [Shannon.gilliland@nkcschools.org](mailto:Shannon.gilliland@nkcschools.org)**

## ***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.

<https://www.northlandcaps.org/s/1625/bp19/home.aspx>.

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

## ***Apprenticeship***

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

## ***College Credit***

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

## ***Correspondence***

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



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## Other Programs

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### ***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 is 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/Code 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 to 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 Lezlie Paden, ELL Program Director, at 816-321-5859.*

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# ***Programs for Students with Disabilities***

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

## **Special Education Transition Planning**

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

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

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

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

The district seeks to identify, evaluate, and provide free and appropriate educational services in the least restrictive environment to all qualified students with disabilities within the definitions of Section 504 of the Rehabilitation Act of 1973 and the American 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 satisfied the district's obligation to provide a free and appropriate education under Section 504.

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

## ***Special Services Courses***

*(For students with Individualized Education Plans – IEPs)*

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

### **Social Skills**

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

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

### **Functional Academic Skills**

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

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

### **Basic Literacy Skills**

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

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

**Career/College Readiness Diploma** (4 math units required)

<b><u>9<sup>th</sup> Grade</u></b>	<b><u>10<sup>th</sup> Grade</u></b>	<b><u>11<sup>th</sup> Grade</u></b>	<b><u>12<sup>th</sup> Grade</u></b>
<i>Intro to HS Math*</i>	<i>HS Pre-Algebra*</i>	<b><i>Algebra I**</i></b>	<i>Geometry**</i>
			<i>Algebra II***</i>
			<i>Geometry**</i>
<i>Intro to HS Math*</i>	<b><i>Algebra I**</i></b>	<i>Geometry**</i>	

\* Only offered in special education setting

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

\*\*\* Only offered in general education setting

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

**Intro to HS Mathematics**

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

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

**High School Pre-Algebra**

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

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

**Algebra I**

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

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

## **Community Access**

Course ID	SPS155	Credit: 1
Prerequisite:	Enrollment based upon IEP team decision	

Grade Level: 9, 10, 11, 12

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

**Course Description:** Student participates in community-based instructional activities to develop greater independent daily living skills to enhance their quality of 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). At the PRIDE House, students practice functional daily living skills through hands-on learning activities. ***May be repeated.***

### Access Transitions

Course ID	SPS216	Credit: 1
Prerequisite:	Enrollment based upon IEP team decision	

Grade Level: 9, 10, 11, 12

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

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

### Learning Strategies A, B, C, D

Course ID	A = SPS135	Course ID	A =
	B = SPS136		B =
	C = SPS137		C =
	D = SPS147		D =
Prerequisite:	Enrollment based upon IEP team decision		

Course ID      A = SPS135  
                     B = SPS136  
                     C = SPS137  
                     D = SPS147

Course ID      A = SPS135  
                     B = SPS136  
                     C = SPS137  
                     D = SPS147

*NOTE: This course is graded pass/fail which can impact eligibility for participation in some extracurricular activities and/or some college admissions-consult your School Counselor prior to enrolling in this course.*

**Course Description:** Students receive targeted assistance in a structured environment to address impacts of specific academic deficits, work stamina deficits, or organization deficits to general education course work (including but not limited to task initiation, task completion, test-taking strategies, or time management). The class emphasizes building self-awareness, setting academic goals, and making progress toward individual IEP goals. Students receive targeted assistance in a structured environment to address impacts of specific academic deficits, work stamina deficits, or organization deficits to general education course work (including but not limited to task initiation, task completion, test-taking strategies, or time management). The class emphasizes building self-awareness, setting academic goals, and making progress toward individual IEP goals. ***May be repeated for credit.***

## Work Experience I

Course ID	SPS116	Credit: 1
Prerequisite:	Enrollment based upon IEP team decision	

Grade Level: 9, 10, 11, 12

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

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

## **Work Experience II**

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

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

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

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

## **Work-Study**

Course ID	SPS304	Credit: .5 for every 90 work hours	Grade Level: 11, 12
Prerequisite:	Student must obtain a job before enrolling in work-study and have a case opened with Vocational Rehabilitation. Student must also be enrolled in Access Transitions or another course that supports the employment goal. The Transition Facilitator will verify that these requirements are met.		

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

**Course Description:** Student participates in the Cooperative Work-Experience Program (COOP/Work Study) that is approved by the Missouri Department of Elementary and Secondary Education (DESE) to provide students the opportunity to earn credit(s) for participating in off campus, paid work experiences. Student is exposed to the work world with support provided by school personnel. Student's progress at work is monitored by ongoing follow-along to determine success on the job, accomplished by monthly meetings with the student, as well as site visits. Semester Employer Evaluations and Student Self-Evaluations are provided. ***May be repeated for credit-maximum of 4 credits per school year.***

## **North Kansas City Hospital Academy**

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

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

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

## **Project SEARCH**

Course ID	SPS744	Credit: 4 per semester	Grade Level: 5 <sup>th</sup> year seniors with developmental disabilities
Prerequisite:	Student must have case opened with Vocational Rehabilitation Services (VR) and have applied to Kansas City Regional Office (KCRO). <b><i>Student must complete application for this program and participate in an interview process.</i></b> Upon acceptance, student must complete the compliance guidelines, immunizations, TB test, drug screen, and the health screen required by Children's Mercy Hospital and other business partners in the Health Sciences District.		

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

**Course Description:** : : During the final year in North Kansas City Schools, student participates in this one-school year program with total immersion in the workplace at business partners in the Health Sciences District of Kansas City (such as Children's Mercy Hospital main campus). During three ten-week, nonpaid internships that facilitate the acquisition of marketable, transferable work skills, the student will gain employability skills (e.g., effective communication, problem solving, leadership, self-advocacy, and appropriate social skills). The ultimate goal upon completion of Project SEARCH is paid employment within the greater Kansas City community. Project SEARCH is offered by NKC Schools through partnerships with many organizations including business partners in the Health Sciences District, state agencies, and non-profit organizations that support individuals with disabilities.

## **Passages Program**

Course ID	SPS747Y	Credit: 1-4	Grade Level: 5 <sup>th</sup> year seniors or beyond
Prerequisite:	Enrollment based upon IEP team decision. Student must be graduating by meeting IEP goals.		

**Course Description:** Passages is a post-secondary transition program at the Adult Education Center which provides opportunities for students, ages 18 to 21, to meet their post-secondary transition goals related to supported employment (such as independent living, social skills, employment skills, and self-advocacy skills) through age-appropriate activities in real-life settings within their community. May be repeated.



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# Preparing for Secondary Choices

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## 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 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 and/or alcohol while in grades 9-12.
- Performed at least 50 hours of unpaid academic tutoring or mentoring, connected to North Kansas City Schools, and supervised by a district employee.
- Have achieved a score of proficient or advanced on the Algebra I end of course exam.
  - If you meet all the eligibility requirements except the end of course exam requirement, you may establish eligibility by achieving a specified combined ACT math sub score and high school GPA. Please see your building A+ coordinator for more information.

### A+ Coordinators

NKCHS	David Garrison	(816) 321-4652
OPHS	Mike Dial	(816) 321-4474
SHS	Barry Crilley	(816) 836-9040
WHS	Shannon Calohan	(816) 321-6947

### 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.*

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

\*\*Funds become available the semester following the student's graduation.

## ***ACT and SAT***

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

The ACT and SAT 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.ACT.org](http://www.ACT.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 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.*



Extraordinary Educational  
Experiences

# NCAA Eligibility Center

## Division I Academic Standards

### Division I Academic Standards

**Division I schools** require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements:



1. Earn 16 NCAA-approved core-course credits in the following areas:

ENGLISH	MATH (Algebra I or higher)	SCIENCE (Including one year of lab, if offered)	EXTRA (English, math or science)	SOCIAL SCIENCE	OTHER Any area listed to the left or courses listed in additional discipline (world language, comparative religion or philosophy)
4 years	3 years	2 years	1 year	2 years	4 years

2. Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.
3. Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of your seventh semester. Once you begin your seventh semester, any course needed to meet the 10/7 requirement cannot be replaced or repeated.
4. Earn a minimum 2.3 **core-course GPA**.
5. Ask your high school counselor to upload your **final official transcript** with proof of graduation to your Eligibility Center account.

#### EARLY ACADEMIC QUALIFIER

If you meet **specific criteria** after six semesters of high school, you may be deemed an early academic qualifier for Division I and may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

#### QUALIFIER

You may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

#### ACADEMIC REDSHIRT

You may practice during your first regular academic term and receive an athletics scholarship during your first year of full-time enrollment but may NOT compete during your first year of full-time enrollment. You must pass either eight quarter or nine semester hours to practice in the next term.

#### NONQUALIFIER

You will not be able to practice, compete or receive an athletics scholarship during your first year of full-time enrollment.



## Division I Academic Standards

GRADE

# 9

REGISTER

- » If you haven't yet, [register](https://eligibilitycenter.org) for a free Profile Page account at [eligibilitycenter.org](https://eligibilitycenter.org) for information on NCAA initial-eligibility requirements.
- » Use NCAA Research's [interactive map](#) to help locate NCAA schools you're interested in attending.
- » Find your high school's list of NCAA-approved core courses at [eligibilitycenter.org/courselist](https://eligibilitycenter.org/courselist) to ensure you're taking the right courses, and earn the best grades possible!

GRADE

# 10

PLAN

- » If you're being actively recruited by an NCAA school and have a Profile Page account, [transition](#) it to the required [certification account](#).
- » Monitor the [task list](#) in your NCAA Eligibility Center account for next steps.
- » At the end of the school year, ask your high school counselor from each school you attend to upload an official transcript to your Eligibility Center account.
- » If you fall behind academically, ask your high school counselor for help finding [approved courses](#) you can take.

GRADE

# 11

STUDY

- » Ensure your [sports participation](#) information is correct in your Eligibility Center account.
- » Check with your high school counselor to make sure you're on track to complete the required number of NCAA-approved [core courses](#) and graduate on time with your class.
- » Share your [NCAA ID](#) with NCAA schools recruiting you so each school can place you on its [institutional request list](#).
- » At the end of the school year, ask your high school counselor from each school you attend to upload an official transcript to your Eligibility Center account.

GRADE

# 12

GRADUATE

- » [Request your final amateurism certification](#) beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account at [eligibilitycenter.org](https://eligibilitycenter.org).
- » Apply and be accepted to the NCAA school you plan to attend.
- » Complete your final NCAA-approved [core courses](#) as you prepare for graduation.
- » After you graduate, ask your high school counselor to upload your final [official transcript](#) with proof of graduation to your Eligibility Center account.

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

**9<sup>th</sup> GRADE**

(1) English  
(1) Math  
(1) Science  
(1) Social Science and/or other

**4 CORE COURSES**

**10<sup>th</sup> GRADE**

(1) English  
(1) Math  
(1) Science  
(1) Social Science and/or other

**4 CORE COURSES**

**11<sup>th</sup> GRADE**

(1) English  
(1) Math  
(1) Science  
(1) Social Science and/or other

**4 CORE COURSES**

**12<sup>th</sup> GRADE**

(1) English  
(1) Math  
(1) Science  
(1) Social Science and/or other

**4 CORE COURSES**

**CONTACT THE NCAA ELIGIBILITY CENTER**

U.S. and Canada (except Quebec):  
877-262-1492 (toll free), Monday-Friday  
9 a.m. to 5 p.m. Eastern time

International (including Quebec):  
[on.ncaa.com/IntlContact](https://on.ncaa.com/IntlContact)

[@ncaaec](#)
[@ncaaec](#)
[@ncaaec](#)
[@playcollegesports](#)

ELIGIBILITY CENTER

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North Kansas City Schools

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Oak Park 2025-26 CPEG Grades 9-12

# Division II Academic Standards

Division II schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements:

1. Earn 16 NCAA-approved core-course credits in the following areas:

ENGLISH	MATH (Algebra I or higher)	SCIENCE (including one year of lab, if offered)	EXTRA (English, math or science)	SOCIAL SCIENCE	OTHER Any area listed to the left or courses listed in additional discipline (world language, comparative religion or philosophy)
3 years	2 years	2 years	3 years	2 years	4 years

2. Earn a minimum 2.2 [core-course GPA](#).
3. Ask your high school counselor to upload your [final official transcript](#) with proof of graduation to your Eligibility Center account.

## EARLY ACADEMIC QUALIFIER

If you meet **specific criteria** after six semesters of high school, you may be deemed an early academic qualifier for Division II and may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

## QUALIFIER

You may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

## PARTIAL QUALIFIER

You may practice and receive an athletics scholarship but may **NOT** compete during your first year of full-time enrollment.



ELIGIBILITY CENTER

## Division II Academic Standards

GRADE

# 9

REGISTER

- » If you haven't yet, [register](https://eligibilitycenter.org) for a free Profile Page account at [eligibilitycenter.org](https://eligibilitycenter.org) for information on NCAA initial-eligibility requirements.
- » Use NCAA Research's [interactive map](#) to help locate NCAA schools you're interested in attending.
- » Find your high school's list of NCAA-approved core courses at [eligibilitycenter.org/courselist](https://eligibilitycenter.org/courselist) to ensure you're taking the right courses, and earn the best grades possible!

GRADE

# 10

PLAN

- » If you're being actively recruited by an NCAA school and have a Profile Page account, **transition** it to the required **certification account**.
- » Monitor the **task list** in your NCAA Eligibility Center account for next steps.
- » At the end of the school year, ask your high school counselor from each school you attend to upload an official transcript to your Eligibility Center account.
- » If you fall behind academically, ask your high school counselor for help finding **approved courses** you can take.

GRADE

# 11

STUDY

- » Ensure your **sports participation** information is correct in your Eligibility Center account.
- » Check with your high school counselor to make sure you're on track to complete the required number of NCAA-approved **core courses**.
- » Share your **NCAA ID** with NCAA schools recruiting you so each school can place you on its **institutional request list**.
- » At the end of the school year, ask your high school counselor from each school you attend to upload an official transcript to your Eligibility Center account.

GRADE

# 12

GRADUATE

- » **Request your final amateurism certification** beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account at [eligibilitycenter.org](https://eligibilitycenter.org).
- » Apply and be accepted to the NCAA school you plan to attend.
- » Complete your final NCAA-approved **core courses** as you prepare for graduation.
- » After you graduate, ask your high school counselor to upload your final **official transcript** with proof of graduation to your Eligibility Center account.

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

**9<sup>th</sup> GRADE**

(1) English  
(1) Math  
(1) Science  
(1) Social Science  
and/or other

**4 CORE COURSES**

**10<sup>th</sup> GRADE**

(1) English  
(1) Math  
(1) Science  
(1) Social Science  
and/or other

**4 CORE COURSES**

**11<sup>th</sup> GRADE**

(1) English  
(1) Math  
(1) Science  
(1) Social Science  
and/or other

**4 CORE COURSES**

**12<sup>th</sup> GRADE**

(1) English  
(1) Math  
(1) Science  
(1) Social Science  
and/or other

**4 CORE COURSES**

**4 x 4 = 16**

**CONTACT THE NCAA ELIGIBILITY CENTER**

U.S. and Canada (except Quebec):  
877-262-1492 (toll free), Monday-Friday  
9 a.m. to 5 p.m. Eastern time

International (including Quebec):  
[on.ncaa.com/IntlContact](https://on.ncaa.com/IntlContact)

@ncaaec
 @ncaaec
 @ncaaec
 @playcollegesports

**MAKE IT YOURS**

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# ***Enrollment***

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## ***Enrollment Process***

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

Choosing the right classes in high school has a big impact on a student's preparation for life after high school.

## ***Schedule Changes***

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

## ***Adding Classes***

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

## ***Dropping Classes***

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

The ONLY reasons to drop are:

- To meet a graduation requirement
- To correct an administrative error
- If the student does not meet the pre-requisite for the class



Extraordinary Educational  
Experiences

# Counselors and Gifted Resource Specialists

High School Counselor Assignments				
School	Counselors/Registrars	Phone	Responsibility	Email
North Kansas City (816) 321-5310	<b>Shelli Copas, Chair</b>	321-6887	Health & Wellness Pathway	<a href="mailto:shelli.copas@nkcschools.org">shelli.copas@nkcschools.org</a>
	Scott Sherman	413-3701	BLE Pathway	<a href="mailto:sc0tt.sherman@nkcschools.org">sc0tt.sherman@nkcschools.org</a>
	Eli Jacobs	321-6720	DIT Pathway	<a href="mailto:eli.jacobs@nkcschools.org">eli.jacobs@nkcschools.org</a>
	Haley Klein	321-4187	Human Services Pathway	<a href="mailto:haley.klein@nkcschools.org">haley.klein@nkcschools.org</a>
	Tara Holmes	321-4974	Assistant	<a href="mailto:tara.holmes@nkcschools.org">tara.holmes@nkcschools.org</a>
	Tabatha Wano	321-6365	Registrar	<a href="mailto:tabatha.wano@nkcschools.org">tabatha.wano@nkcschools.org</a>
Oak Park (816) 321-5320	<b>Marlene Nay, Chair</b>	321-5802	BLE Pathway	<a href="mailto:marlene.nay@nkcschools.org">marlene.nay@nkcschools.org</a>
	Jennifer Shafer	321-4485	Human Services Pathway	<a href="mailto:jennifer.shafer@nkcschools.org">jennifer.shafer@nkcschools.org</a>
	Alayna Comer	321-6945	DIT Pathway	<a href="mailto:alayna.comer@nkcschools.org">alayna.comer@nkcschools.org</a>
	Julie Clemens	321-4287	Health & Wellness Pathway	<a href="mailto:julie.clemens@nkcschools.org">julie.clemens@nkcschools.org</a>
	Ashlee Wells	321-5590	Assistant	<a href="mailto:ashlee.wells@nkcschools.org">ashlee.wells@nkcschools.org</a>
	Shelly Sayre	321-6579	Registrar	<a href="mailto:shelly.sayre@nkcschools.org">shelly.sayre@nkcschools.org</a>
Staley (816) 321-5330	<b>James McNeely, Chair</b>	321-5702	DIT Pathway	<a href="mailto:james.mcneely@nkcschools.org">james.mcneely@nkcschools.org</a>
	Mallory Parra	321-6117	Public Services Pathway	<a href="mailto:mallory.parra@nkcschools.org">mallory.parra@nkcschools.org</a>
	Kevin McAdam	321-4101	Health & Wellness Pathway	<a href="mailto:kevin.mcadam@nkcschools.org">kevin.mcadam@nkcschools.org</a>
	Paige Schillig	321-6862	BLE Pathway	<a href="mailto:paige.schillig@nkcschools.org">paige.schillig@nkcschools.org</a>
	Kelley Lewis	321-5335	Assistant	<a href="mailto:kelley.lewis@nkcschools.org">kelley.lewis@nkcschools.org</a>
	Jennifer Long	321-5570	Registrar	<a href="mailto:jennifer.long@nkcschools.org">jennifer.long@nkcschools.org</a>
Winnetonka	<b>Jennifer Ford, Chair</b>	321-4852	Health & Wellness Pathway	<a href="mailto:jennifer.ford@nkcschools.org">jennifer.ford@nkcschools.org</a>
	Brenda Tretbar	321-6251	Business Pathway	<a href="mailto:brenda.tretbar@nkcschools.org">brenda.tretbar@nkcschools.org</a>
	DeVaughn Hurt	321-6681	Human Services Pathway	<a href="mailto:devaughn.hurt@nkcschools.org">devaughn.hurt@nkcschools.org</a>
	Amanda Garr	413-3782	DIT Pathway	<a href="mailto:amanda.garr@nkcschools.org">amanda.garr@nkcschools.org</a>
	Gina Caster	321-6728	Assistant	<a href="mailto:gina.caster@nkcschools.org">gina.caster@nkcschools.org</a>
	Lania Majors	321-4707	Registrar	<a href="mailto:lania.majors@nkcschools.org">lania.majors@nkcschools.org</a>

Gifted Resource Specialist Assignments				
School	Gifted Resource Specialist	Phone	Responsibility	Email
NKCHS	Marcus Myers	321-5794	Gifted	<a href="mailto:marcus.myers@nkcschools.org">marcus.myers@nkcschools.org</a>
OPHS	Alicia Kleoppel	321-4975	Gifted	<a href="mailto:alicia.kleoppel@nkcschools.org">alicia.kleoppel@nkcschools.org</a>
SHS	Carol Toney	321-6302	Gifted	<a href="mailto:carol.toney@nkcschools.org">carol.toney@nkcschools.org</a>
WHS	Melanie Warner	321-5606	Gifted	<a href="mailto:melanie.warner@nkcschools.org">melanie.warner@nkcschools.org</a>

# College & Career Pathways

## School of Public and Commercial Services



The School of Public and Commercial Services prepares students to meet the needs of their community through interdisciplinary academics and community partnerships. This school maintains a commitment to improving the overall quality of life in the community we serve.

### Public Service Pathway

Explore the basic principles of working with children and families as you engage in the world of teaching and child development.

### Commercial Services Pathway

Learn how to best serve and interact with others in your community as you gain skills related to communication, hospitality, and tourism.

### Possible Career Interest:

Social Worker, Education, Law Enforcement, Hospitality/Tourism, Culinary Arts, Cosmetology, More!

	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
English Language Arts	ELA I* Honors ELA I	ELA II* Honors ELA II	Comp & Lit College English** AP Eng Language & Composition+	College English** AP English Literature+ Composition & Reading
Math	Algebra I*	Geometry* Honors Geometry	Algebra II Honors Algebra II	College Algebra+ Statistics+
Science	Honors Biology*	Chemistry*	Environmental Science	AP Chemistry* AP Biology*
Social Studies	World History* AP Human Geography+	U.S. History* AP/College US History+	AP/College Government**	AP Comparative Government & Politics+
Tech Core (Public Service)	Honors Intro to Human & Public Services+	Advocacy in the Community & Sustainability	College Fundamentals of Public Speaking+	AP Psychology+ Psychology
Tech Core (Commercial Services)	Intro to Hospitality, Tourism, & Culinary Arts	ProStart I+	ProStart II+&	Career Development/Entrepreneurship

(\*) Indicates required courses; (+) Indicates college level courses; (\*\*) Indicates programs which offer Industry Recognized Credentials

Italicized courses (Senior level Science & Social Studies) are not required for graduation.

### Pathway Aligned Courses

- FACS Internship
- Child Development I
- Child Development II
- Debate
- Graphic Design
- Foods
- Journalism
- Global Language
- AVID
- Student Ambassadors
- Leadership
- Sociology

### Off Campus Programs

- NCC# - Law Enforcement/CSI; Health Sciences; Teaching Professions; Culinary Arts; Agricultural Sciences
  - NCAPS+ - Medicine & Healthcare; Global Business & Logistics
  - Early College Academy
    - Maple Woods
    - UMKC
  - Entrepreneurial Studies (Class Act Coffee)
  - Professional Internship
- ### Clubs & Activities
- Environmental Club
  - Family Career & Community Leaders of America (FCCCLA)
  - ProStart Culinary & Management Team

Market Value Asset Opportunities	Work-Based Learning Opportunities	Post-Secondary Opportunities
✓ Up to 25 Hours of College Credit Coursework	✓ Guest Speakers	✓ Individual Career + Academic Plan
✓ Client Connected Projects	✓ Resume Writing & Mock Interviews	✓ College Visits
✓ Opportunity to Earn Industry-Recognized Credentials	✓ Industry Integrated Curriculum & Projects	✓ College & Career Fair
✓ Internship Opportunities	✓ Mentorship Program & Job Shadowing	✓ Post-Secondary Resources & Support



COLLEGE & CAREER PATHWAYS

College and Career Facilitator

Kelly Rule

kelly.rule@nkcschools.org

Visit our website to learn more!



SCAN ME

# School of Business, Leadership and Entrepreneurship



School of  
**Business, Leadership  
& Entrepreneurship**

Oak Park High School



Students in the School of Business, Leadership, and Entrepreneurship gain marketable skills through relevant, authentic projects that are based on a foundation of business partnerships with the community. Students will have the opportunity to lead, plan, promote, and sell products through job shadows, internships, and client-based projects.

## Business Pathway

Find out what it takes to become your own boss and run your very own business.

## Marketing Pathway

Become well versed in advertising, communications, consumer behavior, and public relations.

## Possible Career Interest:

Sales, Advertising,  
Accounting, Finance,  
Business, Marketing,  
Product Development,  
More!

	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
English Language Arts	ELA I* Honors ELA I	ELA II* Honors ELA II	Comp & Lit College English** AP Eng Language & Composition+	College English** AP English Literature+ Composition & Reading
Math	Algebra I*	Geometry* Honors Geometry	Algebra II Honors Algebra II	College Algebra+ AP Statistics+
Science	Honors Biology*	Chemistry*	Environmental Science	AP Chemistry+ AP Biology+
Social Studies	World History* AP Human Geography+	U.S. History* AP/College US History+	AP/College Government**	Sociology AP Psychology+
Tech Core (Business)	Foundations of Business	Business Communications	College BUS Entrepreneurship+	College Business Management+##
Tech Core (Marketing)	Intro to Media Marketing	Marketing Principles	College MKT Entrepreneurship+	College Advanced Marketing +## College Sports Marketing **

(\*) Indicates required courses; (+) indicates college level courses; (\*\*) indicates programs which offer Industry Recognized Credentials

Italicized courses (Senior level Science & Social Studies) are not required for graduation.

Market Value Asset Opportunities	Work-Based Learning Opportunities	Post-Secondary Opportunities
✓ Up to 30 Hours of College Credit Coursework	✓ Guest Speakers	✓ Individual Career + Academic Plan
✓ Client Connected Projects	✓ Resume Writing & Mock Interviews	✓ College Visits
✓ Opportunity to Earn Industry-Recognized Credentials	✓ Industry Integrated Curriculum & Projects	✓ College & Career Fair
✓ Internship Opportunities	✓ Mentorship Program & Job Shadowing	✓ Post-Secondary Resources & Support

## Pathway Aligned Courses

- Foods, Prostart
- Graphic Design
- AP Microeconomics & Macroeconomics
- Accounting
- FACS Internship
- Journalism
- AVID
- Global Language
- Student Ambassadors
- Leadership

## Off Campus Programs

- NCC# - IT Professionals; Production Technologies; Culinary Arts; Teaching Professions; Law Enforcement/CSI
- NCAPS+ - Global Business & Logistics; Digital Media & Design; Technology Solutions; Engineering & Advanced Manufacturing
- Early College Academy
  - Maple Woods
  - UMKC
- Entrepreneurial Studies (Class Act Coffee)
- Professional Internship

## Clubs & Activities

- Family Career & Community Leaders of America (FCCCLA)
- Future Business Leaders of America (FBLA)
- ProStart Culinary & Management Team
- Distributive Educational Clubs of America (DECA)



SCAN ME



COLLEGE & CAREER  
PATHWAYS

College and Career Facilitator

Kelly Rule

kelly.rule@nkschools.org

Visit our website  
to learn more!

# School of Design, Innovation and Technology



School of  
**Design, Innovation  
& Technology**

Oak Park High School



Students in the School of Design, Innovation and Technology collaborate with community, business and industry partners to create authentic, innovative solutions for real world challenges. By utilizing a continuum of work-based learning initiatives, students showcase their knowledge through the collaboration of arts and technology.

## Engineering Pathway

Apply scientific, mathematical, and management principals to the planning, design and building of facilities and structures.

## Technology Pathway

Gain foundational skills to enter the digital workforce with a focus on computer science, cybersecurity, and IT.

## Creative Design Pathway

Bring creativity to life as you explore concepts like studio art, apparel construction, interior design, and graphic design.

## Possible Career Interest:

Construction, IT, Cyber Security, Graphic Designer, Computer Science, Photography, More!

	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
English Language Arts	ELA I+ Honors ELA I	ELA II+ Honors ELA II	Comp & Lit College English++ AP Eng Language & Composition+	College English++ AP English Literature+ Composition & Reading
Math	Algebra I+	Geometry+ Honors Geometry	Algebra II Honors Algebra II	College Algebra+ Pre-Calculus Statistics
Science	Honors Biology+	Chemistry+	Physics	AP Chemistry+ AP Physics+
Social Studies	World History+ AP Human Geography+	U.S. History+ AP/College US History+	AP/College Government++	Sociology AP Psychology+
Tech Core (Engineering)	PLTW Intro to Engineering Design+	PLTW Principles of Engineering+	PLTW Civil Engineering and Architecture+	PLTW Engineering Design & Development+#
Tech Core (Technology)	PLTW Computer Science Essentials+	AP/PLTW Computer Science Principles+	PLTW Cybersecurity+	AP/PLTW Computer Science A+
Tech Core (Creative Design)	Creative Design I	Creative Design II	Creative Design III	AP Art & Design Studio+

(\*) Indicates required courses; (+) Indicates college level courses; (#) Indicates programs which offer Industry Recognized Credentials

Italicized courses (Senior level Science & Social Studies) are not required for graduation.

Market Value Asset Opportunities	Work-Based Learning Opportunities	Post-Secondary Opportunities
✓ Up to 33 Hours of College Credit Coursework	✓ Guest Speakers	✓ Individual Career + Academic Plan
✓ Client Connected Projects	✓ Resume Writing & Mock Interviews	✓ College Visits
✓ Opportunity to Earn Industry-Recognized Credentials	✓ Industry Integrated Curriculum & Projects	✓ College & Career Fair
✓ Internship Opportunities	✓ Mentorship Program & Job Shadowing	✓ Post-Secondary Resources & Support

## Pathway Aligned Courses

- Fashion & Design
  - Journalism
  - Global Language
  - AVID
  - Visual Arts
  - Woodworking
  - Student Ambassadors
  - Leadership
- ## Off Campus Programs
- CTEC# - Automotive Technology
  - NCC# - IT Professional; Diesel Technology; Aviation Technology; Construction Technology; Industrial Welding; Production Technologies; Heating/Cooling & Climate Control

- NCAPS+ - Digital Media & Design; Engineering & Advanced Manufacturing; Technology Solutions; Global Business & Logistics
- Early College Academy
  - Maple Woods
  - Advanced Technical Skills Institute
  - UMKC
- Entrepreneurial Studies (Class Act Coffee)

## Professional Internship

## Clubs & Activities

- Science Olympiad
- Anime Club
- Robotics
- Art Club
- Technology Student Association (TSA)



SCAN ME



COLLEGE & CAREER  
PATHWAYS

College and Career Facilitator

Kelly Rule

kelly.rule@nkschools.org

Visit our website  
to learn more!

# School of Health and Wellness



School of  
**Health &  
Wellness**

Oak Park High School



Students in the School of Health and Wellness utilize authentic, hands-on experiences and collaborative projects to learn the fundamental concepts of medicine and everyday wellbeing. Careers in the medical field are explored through field trips, personal interactions with professionals, and coursework that is both relevant and purposeful.

## Health Pathway

Join the future of healthcare and participate in hands-on patient care experiences while utilizing the latest technology for medical careers of the future.

## Wellness Pathway

Prepare for a future role as a wellness professional as you learn about nutrition, personal fitness, health evaluations, and health behaviors.

## Possible Career Interest:

Doctor, EMT, Nurse,  
Athletic Trainer,  
Veterinarian, Medical  
Examiner, Forensic Experts,  
More!

	9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
English Language Arts	ELA I* Honors ELA I	ELA II* Honors ELA II	Comp & Lit College English** AP Eng Language & Composition+	College English** AP English Literature+ Composition & Reading
Math	Algebra I*	Geometry* Honors Geometry	Algebra II Honors Algebra II	College Algebra+ AP Statistics+ AP Calculus
Science	Honors Biology*	Chemistry*	AP Biology* Anatomy & Physiology	AP Chemistry+
Social Studies	World History* AP Human Geography+	U.S. History* AP/College US History+	AP/College Government**	Psychology AP Psychology+ AP US History+
Tech Core (Health)	PLTW Principles of Biomedical Science+	PLTW Human Body Systems+	PLTW Medical Interventions+#	PLTW Biomedical Innovations+#
Tech Core (Wellness)	PLTW Principles of Biomedical Science+	PLTW Human Body Systems+	Therapy Studies and Brain Development	Psychology AP Psychology

(\*) Indicates required courses; (+) Indicates college level courses; (\*\*) Indicates programs which offer Industry Recognized Credentials

Italicized courses (Senior level Science & Social Studies) are not required for graduation.

Market Value Asset Opportunities	Work-Based Learning Opportunities	Post-Secondary Opportunities
✓ Up to 36 Hours of College Credit Coursework	✓ Guest Speakers	✓ Individual Career + Academic Plan
✓ Client Connected Projects	✓ Resume Writing & Mock Interviews	✓ College Visits
✓ Opportunity to Earn Industry-Recognized Credentials	✓ Industry Integrated Curriculum & Projects	✓ College & Career Fair
✓ Internship Opportunities	✓ Mentorship Program & Job Shadowing	✓ Post-Secondary Resources & Support

## Pathway Aligned Courses

- Journalism
- AVID
- Global Language
- Student Ambassadors
- Leadership
- Therapy Specific Courses

## Off Campus Programs

- NCC# - Health Sciences; Culinary Arts; Agricultural Sciences; Law Enforcement/CSI; Teaching Professions
- NCAPS+ - Medicine & Healthcare; Global Business & Logistics
- Early College Academy
  - Maple Woods
  - UMKC
- Entrepreneurial Studies (Class Act Coffee)
- Professional Internship

## Clubs & Activities

- Science Olympiad
- Science Club
- Health Occupations Students of America (HOSA)



COLLEGE & CAREER  
PATHWAYS

## College and Career Facilitator

Kelly Rule  
kelly.rule@nkcschools.org

Visit our website  
to learn more!




SCAN ME

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## 9<sup>th</sup> Grade Courses

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### English Language Arts

English Language Arts I   
Honors English Language Arts I

### English Language Arts Electives

Debate I  
Journalism 1

### Mathematics

Algebra I   
Algebra II   
Geometry   
Honors Algebra II  
Honors Geometry

### Science

College Principles of Biomedical  
Science - PLTW  
Honors Biology

### Social Studies

AP Human Geography  
Honors World History  
World History 

### Technical Core

#### School of Public & Commercial Svcs

Intro to Hospitality, Tourism  
and Culinary Arts  
Honors Intro to Human & Public  
Services

#### School of BLE

Foundations of Business

#### School of DIT

Creative Design I  
College Computer Science  
Essentials – PLTW  
College Intro to Engineering  
Design - PLTW






#### School of Health & Wellness

College Principles of Biomedical  
Science – PLTW



= available in Launch (online  
learning)



### Global Language

French I   
French II   
German I   
Spanish I   
Spanish II   
Spanish for Heritage Speakers

### Fine Arts

Art 1  
Visual Art Photography  
Chamber Orchestra  
Concert Band  
Music Appreciation  
Jazz Band  
Symphonic Band  
Symphonic Orchestra  
Bass Choir  
Mixed Choir  
Treble Choir  
Competitive Drama  
Theater I

### Physical Education

Adaptive Physical Education  
Aerobics  
Health and Family Education  
(Mo Grad Req)   
Lifetime Activities  
Physical Education 

Strength & Conditioning I  
Strength & Conditioning II

### General Electives

AVID 9  
Marching Auxiliary  
Pathways Ambassadors

### Practical Arts


Business Law  
AP College Comp Science Principles -  
PLTW  
College Computer Science Essentials -  
PLTW  
Computer Applications  
Foods for Life  
Fashion Product Development  
Interior Design  
Child Development I  
Journalism 1  
Journalism 1 Broadcast  
Journalism 1 Photography  
Home Maintenance & Repair  
Woodworking I  
College Intro to Engineering Design -  
PLTW

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# 10<sup>th</sup> Grade Courses

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## English Language Arts

English Language Arts II   
Honors English Language Arts II


## English Language Arts Electives

Advanced Debate  
Debate I  
Journalism I  
Speech Communication

## Mathematics

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

## Science

Chemistry   
Honors Chemistry  
Coll Human Body Systems-PLTW  
AP Physics I  
AP Physics II  
College Physics  
Coll Principles of Biomedical Science -  
PLTW  
Human Anatomy & Physiology  
Physics

## Social Studies

AP Human Geography  
AP Psychology  
AP United States History  
AP World History: Modern  
College World History  
Honors US History  
College US History  
Military History  
Psychology  
US History

## Technical Core

### School of Public & Commercial

#### Svcs

Interpersonal Communication  
ProStart I

#### School of BLE

Accounting I  
Marketing Principles

#### School of DIT

AP College Computer Science  
Principles – PLTW  
Creative Design II  
College Principles of Engineering -  
PLTW


#### School of Health & Wellness

College Human Body Systems -  
PLTW  
Therapy Studies & Brain  
Development

## Global Language

French I   
French II   
College French III  
German I   
German II   
Spanish I   
Spanish II   
College Spanish III  
Spanish for Heritage Speakers I  
Spanish for Heritage Speakers II



## Fine Arts

Advanced Visual Art Photography  
AP Art History  
Art I  
Clay & Sculpture: 3D Medias  
Drawing, Painting, & Printmaking:  
2D Medias  
Graphic Design  
Visual Art Photography  
Chamber Orchestra  
Concert Band  
Jazz Band  
Music Appreciation  
Music Theory   
Symphonic Band  
Symphonic Orchestra



## Fine Arts (con't)

Chamber/Show/Jazz Choir  
Mixed Choir  
Treble Choir  
Varsity Treble Choir  
Advanced Competitive Drama  
Competitive Drama  
Theater I  
Theater II

## Physical Education


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

## General Electives

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

## Practical Arts

Accounting I   
Business Law  
College Business Management  
Marketing Principles  
College Sports Marketing, I  
AP College Computer Science A-PLTW   
AP Coll Comp Science Principles-PLTW   
Coll Comp Science Essentials-PLTW  
Computer Applications   
Foods for Life  
International Foods  
ProStart Foods Level I  
Interior Design  
Fashion/Interior Design & Merchandising  
Advanced Fashion Product Development  
Fashion Product Development  
Child Development I  
Child Development Learning Center II

 = available in Launch (online learning)

## ***10<sup>th</sup> Grade Courses (continued)***

### **Practical Arts (con't)**

College Intro to Teaching

Self-Development I

Self-Development II

Journalism 1

Journalism 1 Broadcast

Journalism 1 Photography

Journalism 2 Broadcast

Journalism 2 Magazine Across Platforms

Journalism 2 Yearbook

Journalism 2 Sports Broadcasting

Journalism 3 Digital Laboratory

Home Maintenance & Repair

Woodworking I

Woodworking II

College Intro to Engineering Design-PLTW

College Principles of Engineering-PLTW

College Civil Engineering & Architecture -  
PLTW

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

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# 11<sup>th</sup> Grade Courses

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## English Language Arts

Composition & Literature  
AP Language & Composition  
AP Literature & Composition  
College English

## English Language Arts Electives

Advanced Debate  
AP Research  
College Fundamentals of Effective Speaking  
Debate I  
Journalism 1

## Mathematics

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

## Social Studies

AP Comparative Gov't & Politics  
AP Government Politics US   
AP Human Geography  
AP Psychology   
AP US History   
College US History  
AP World History: Modern  
College World History  
College US Government  
Military History  
Psychology  
Sociology

## Science

AP Biology  
AP Chemistry  
AP Physics 1   
AP Physics 2  
Chemistry   
College Biology  
College Chemistry  
College Human Body Systems -  
PLTW  
College Medical Interventions -  
PLTW  
College Physics  
College Principles of Biomedical  
Science-PLTW  
Environmental Science  
Honors Chemistry  
Human Anatomy & Physiology  
Physics

## Technical Core

### School of Public & Commercial Services

Psychology  
AP Psychology  
ProStart II

### School of Health & Wellness

College Medical Interventions-  
PLTW++

### School of DIT

College Cyber Security-PLTW  
Creative Design III  
College of Civil Engineering &  
Architecture++

### School of BLE

Business Law  
AP Macro/AP Micro  
Marketing Advanced  
College Sports Marketing

## Global Language

French I   
French II   
College French III  
College French IV  
German I   
German II   
Spanish I   
Spanish II

## Global Language (con't)

College Spanish III  
College Spanish IV  
Spanish for Heritage Speakers I  
Spanish for Heritage Speakers II

## Physical Education

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

## Fine Arts

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

## **11<sup>th</sup> Grade Courses (continued)**

### **General Electives**

ACT Prep & College Transitions  
Adaptive Physical Education Assistant  
AP Research  
AVID 11  
College Introduction to Teaching  
Leadership  
Leadership for School Climate & Culture  
Marching Auxiliary  
Peer Mentor  
Personal Finance (**MO Grad Req**)  
Stagecraft

### **Practical Arts**

Accounting I   
Accounting II  
Business Law  
College Business Management  
AP College Computer Science A-PLTW  
AP College Computer Science  
Principles-PLTW  
College Computer Science Essentials-  
PLTW  
Computer Applications  
Computer Programming Capstone  
College Marketing  
College Entrepreneurship  
Marketing Advanced  
Marketing Internship (**off campus**)  
Marketing Principles  
Sports Marketing I  
Sports Marketing II  
Foods for Life  
International Foods  
ProStart Foods Level I  
ProStart Foods Level II  
Interior Design  
Advanced Fashion Product Development  
Fashion Product Development  
Fashion/Interior Design & Merchandising  
Child Development I  
Child Development Learning Center II  
College Intro to Teaching  
FACS Internship (**off campus**)   
Interpersonal Relationships

### **Practical Arts (con't)**

Self-Development I  
Self-Development II  
Journalism 1  
Journalism 1 Photography  
Journalism 1 Broadcast  
Journalism 2 Magazine Across Platforms  
Journalism 2 Yearbook  
Journalism 2 Broadcast  
Journalism 2 Sports Broadcasting  
Journalism 3 Digital Laboratory  
Communications Capstone (**off campus**)  
Home Maintenance & Repair  
Woodworking I  
Woodworking II  
Woodworking III  
College Civil Engineering &  
Architecture-PLTW  
College Digital Electronics-PLTW  
College Intro Engineering Design-PLTW  
College Principles of Engineering-PLTW  
Employment Experience (**off campus**)  
NKC Professional Internship Program  
(**off campus**)

### **CTEC (off campus)**

Automotive Technology I  
Technical English Language  
Technical Mathematics

### **MCC-Advanced Technical Skills Institute (off campus)**

College Building Maintenance and  
Construction  
College Engineering Technology I  
College Heating, Ventilation &  
Air-Conditioning I  
College Welding

### **MCC-Maple Woods (off campus)**

Open Catalog of Courses through  
Early College Academy

### **UMKC (off campus)**

Open Catalog of Courses through  
Early College Academy

### **Northland CAPS (off campus)**

Digital Media & Design  
Engineering & Advanced  
Manufacturing  
Global Business and Logistics  
Medicine and Healthcare  
Technology Solutions

### **Class Act Coffee (off campus)**

Entrepreneurial Studies I  
Entrepreneurial Studies II

### **Northland Career Center (off campus)**

Agricultural Sciences-Plant  
Systems  
Agricultural Sciences-Animal  
Systems  
Aviation Technology I  
Construction Technology I  
Culinary Arts I  
Diesel Technology -  
Med/Heavy Duty Truck Systems  
Diesel Technology - Engines &  
Electrical/Electronic Systems  
Health Sciences I  
Heating, Cooling & Climate  
Control I  
Industrial Welding I  
IT Professionals I  
Law Enforcement/CSI I  
Med/Heavy Duty Truck Systems



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

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# 12<sup>th</sup> Grade Courses

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## English Language Arts

Composition & Reading   
AP English Lang & Comp  
AP English Lit & Comp   
College English  
AP Research





## English Language Arts Electives

Advanced Debate  
Argumentation & Debate III/IV  
College Argumentation & Debate III/IV  
College Fundamentals of Effective Speaking  
Debate I  
Journalism 1



## Mathematics

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






## Social Studies

AP Comparative Gov't & Politics  
AP Government Politics US   
AP Human Geography  
AP Psychology   
AP US History   
College US History  
AP World History: Modern  
College World History  
College US Government  
Military History  
Psychology  
Sociology 


## Science

AP Biology  
AP Chemistry  
AP Physics 1   
AP Physics 2  
Chemistry   
College Biology  
College Biomedical Innovations-PLTW  
College Chemistry  
College Human Body Systems-PLTW  
College Medical Interventions-PLTW  
College Physics  
College Principles of Biomedical Science-PLTW  
Environmental Science  
Honors Chemistry  
Human Anatomy & Physiology  
Physics


## Global Language

French I   
French II   
College French III  
College French IV  
College French V  
German I   
German II   
Spanish I   
Spanish II   
College Spanish III  
College Spanish IV  
College Spanish V  
Spanish for Heritage Speakers I  
Spanish for Heritage Speakers II


## Physical Education

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

## Fine Arts

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

## General Electives


ACT Prep & College Transitions   
AVID 12  
Adaptive PE Assistant  
AP Research  
AP Seminar  
College Intro to Teaching  
Leadership  
Leadership for School Climate & Culture  
Marching Auxiliary  
Peer Mentor  
Stagecraft  
Personal Finance (MO Grad Req)

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

## 12<sup>th</sup> Grade Courses (continued)

### Technical Core

#### School of Public Service & Communication

AP Psychology 

Psychology

College Entrepreneurship

Career Dev/Entrepreneurship

#### School of Health & Wellness

College Biomedical Innovations-PLTW

#### School of DIT

AP College Computer Science A - PLTW

AP Studio Art & Design

Engineering & Design PLTW


#### School of BLE

College Business Management

College Advanced Marketing

College Sports Marketing


### Practical Arts


Accounting I 

Accounting II

Business Law

College Business Management

AP College Computer Science A -  
PLTW 

AP College Computer Science  
Principles-PLTW 

College Computer Science  
Essentials-PLTW

College Cyber Security-PLTW

Computer Applications 

Computer Programming Capstone

College Marketing

Marketing Advanced

Marketing Internship (*off campus*)

Marketing Principles

College Sports Marketing, I

College Sports Marketing II

Foods for Life

International Foods

ProStart Foods Level I

ProStart Foods Level II

Interior Design

Advanced Fashion Product Dev.

Apparel Construction


Fashion Product Development

Fashion/Interior Design & Merch.

Child Development I

Child Development Learning Center II

College Intro to Teaching

FACS Internship (*off campus*) 

### Practical Arts (con't)

Interpersonal Relationships

Journalism 1

Journalism 1 Broadcast

Journalism 1 Photography

College Journalism 2 Broadcast

College Journalism 2 Magazine Across  
Platforms

College Journalism 2 Yearbook

College Journalism 2 Sports

Broadcasting

College Journalism 3 Digital Laboratory

Communications Capstone (*off campus*)

Home Maintenance & Repair

Woodworking I

Woodworking II

Woodworking III

Woodworking IV

College Civil Eng. & Architecture -  
PLTW

College Digital Electronics-PLTW

College Intro to Engineering Design-  
PLTW

College Principles of Engineering -  
PLTW

College Engineering Design &  
Development-PLTW

Employment Experience (*off campus*)  
NKC Professional Internship Program  
(*off campus*)

#### **CTEC (*off campus*)**

Automotive Technology I

Technical English Language

Technical Mathematics

### Northland CAPS (*off campus*)

Digital Media & Design

Engineering and Advanced

Manufacturing

Global Business and Logistics

Medicine and Healthcare

Technology Solutions

### Northland Career Center (*off campus*)

Agriculture, Food, and Natural  
Resources

Aviation Technology I

Aviation Technology II

Construction Technology I

Construction Technology II

### Northland Career Center (*off campus, con't*)

Culinary Arts I

Culinary Arts II

Diesel Technology – Med/Heavy Duty  
Truck Systems

Diesel Technology – Engines &  
Electrical/Electronic Systems

Health Sciences I

Health Sciences II

Heating, Cooling & Climate Control I

Heating, Cooling & Climate Control II

Industrial Welding II

Industrial Welding, one-year-cert.

IT Professionals I

IT Professionals II

Law Enforcement/CSI I

Law Enforcement/CSI II

Production Technologies I

Productions Technologies II

Teaching Professions I

Teaching Professions II

Teaching Professions, one-year-cert.

### Class Act Coffee (*off campus*)

Entrepreneurial Studies I

Entrepreneurial Studies II

### MCC-Advanced Technical Skills Institute (*off campus*)

College Engineering Technology I

College Engineering Technology II

College Automation of Industrial  
Machines I

College Automation of Industrial  
Machines II

College Heating, Ventilation & Air-  
Conditioning I

College Heating, Ventilation & Air-  
Conditioning II

College Welding

College Building Maintenance and  
Construction (KCCCA)

### MCC-Maple Woods (*off campus*)

Open Catalog of Courses through  
Early College Academy

### UMKC (*off campus*)

Open Catalog of Courses through  
Early College Academy

William Jewell College (*off  
campus*)-nursing

# English Language Arts

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

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
ELA I Honors ELA I	ELA II Honors ELA II	Composition & Literature AP Language & Composition AP Literature & Composition College English	AP Language & Composition AP Literature & Composition College English AP Research Composition & Reading

## Gold Medallion Diploma (4 units required)

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
ELA I Honors ELA I	ELA II Honors ELA II	AP Language & Composition AP Literature & Composition College English	AP Language & Composition AP Literature & Composition College English AP Research



Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

## English Language Arts I



Course ID: ELA100  
Prerequisite: None

Credit: 1

Grade Level: 9

**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 (argumentative, expository/informative, and narrative) and research. ***This course will have an industry emphasis dependent upon the student's pathway selection.***

## Honors English Language Arts I



Course ID: ELA106  
Prerequisite: None

Credit: 1

Grade Level: 9

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

## English Language Arts II



Course ID ELA200

Credit: 1

Grade Level: 10

Prerequisite: English Language Arts I

**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 (argumentative, expository/informative, and narrative), and research.

## Honors English Language Arts II



Course ID ELA209

Credit: 1

Grade Level: 10

Prerequisite: English Language Arts I

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

## Composition & Literature



Course ID ELA309

Credit: 1

Grade Level: 11

Prerequisite: English Language Arts II

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

## Composition & Reading



Course ID ELA320Y

Credit: 1

Grade Level: 12

Prerequisite: None

**Course Description:** By fostering effective speaking and collaborative skills, this course equips students to navigate the communication challenges they may encounter in academic or industry discussions, presentations, and collaborative projects, contributing to their overall confidence and readiness for post-secondary success. Students will engage in real-world experiences, diverse readings, and research applications. Students will create a variety of products and presentations including narrative, expository, and research writing which culminates in a community showcase.

## Journalism 1

Course ID: MED104

Credit: 1

Grade Level: 9, 10, 11, 12\*

Prerequisite: Priority will be given to students in grades 9-11. Grade 12 students may enroll if course numbers allow.

**Course Description:** This is an introductory course for work in news, editorial, and feature writing, grammar, editing, design, multi-media production, as well as media law and ethics. Students entering the course should have above average writing skills. Students are not required to own a camera; the school may provide a camera. This is a preparatory course for Journalism 2 Yearbook and Journalism 2 Magazine Across Platforms. **For additional Journalism courses, see Practical Arts – Journalism section.**

## **Debate I**

Course ID: SPT100  
Prerequisite: None

Credit: 1

Grade Level: 9, 10, 11, 12

**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 and perform oral communication of the events introduced. Debate topics are decided by the National Speech and Debate Association. ***Participation in interscholastic competition in Friday and Saturday tournaments is required. Students must remain eligible as defined by MSHSAA.***

## **Advanced Debate**

Course ID: SPT204  
Prerequisite: Debate I

Credit: 1

Grade Level: 10, 11, 12

**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 in Friday and Saturday tournaments is required on a regular basis. Students must remain eligible as defined by MSHSAA.***

## **College English**



Course ID: ELA304  
Prerequisite: English Language Arts II

Credit: 1

Grade Level: 11, 12

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

## **AP English Language & Composition**



Course ID: ELA302  
Prerequisite: English Language Arts II

Credit: 1

Grade Level: 11, 12

*11<sup>th</sup> Grade: Must have completed Honors ELA - 12<sup>th</sup> Grade: Must have completed 3 years of ELA*

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

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



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



**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 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.



**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.

## **AP Research**



Course ID        RES303  
Prerequisite:    AP Seminar

Credit:    1

Grade Level:    11, 12

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

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



Extraordinary Educational  
Experiences

# Mathematics

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

<u>9<sup>th</sup> Grade</u>	→	<u>10<sup>th</sup> Grade</u>	→	<u>11<sup>th</sup> Grade</u>	→	<u>12<sup>th</sup> Grade</u>
Algebra I		Geometry		Algebra II		Transition to College Algebra/ Statistics (consecutive) Honors/College PreCalculus College Algebra
Algebra I		Honors Geometry		Honors Algebra II		Honors/College PreCalculus College Algebra AP Statistics
Geometry *		<b>Algebra II</b>		Transition to College Algebra/Statistics (consecutive) Honors/College PreCalculus College Algebra		College Algebra College Calculus I (AP Calculus A/B) Honors/College PreCalculus AP Statistics
Honors Geometry *		<b>Honors Algebra II</b>		Transition to College Algebra/ Statistics (consecutive) Honors/College PreCalculus College Algebra		College Calculus I (AP Calculus A/B) Honors/College PreCalculus AP Statistics
<b>Honors Algebra II **</b>		Honors/College PreCalculus College Algebra AP Statistics		College Calculus I (AP Calculus A/B)		College Calculus II (AP Calculus B/C)

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

<u>9<sup>th</sup> Grade</u>	→	<u>10<sup>th</sup> Grade</u>	→	<u>11<sup>th</sup> Grade</u>	→	<u>12<sup>th</sup> Grade</u>
Algebra I		Geometry		Algebra II		Honors/College PreCalculus College Algebra AP Statistics
Algebra I		Honors Geometry		Honors Algebra II		Honors/College PreCalculus College Algebra AP Statistics
Geometry *		<b>Algebra II</b>		Honors/College PreCalculus College Algebra AP Statistics		College Calculus I (AP Calculus A/B) AP Statistics
Honors Geometry *		<b>Honors Algebra II</b>		Honors/College PreCalculus College Algebra AP Statistics		College Calculus I (AP Calculus A/B) AP Statistics
<b>Honors Algebra II **</b>		Honors/College PreCalculus		College Calculus I (AP Calculus A/B) College Algebra AP Statistics		College Calculus II (AP Calculus B/C) College Calculus I (AP Calculus A/B)

\* Must have had Algebra in 8<sup>th</sup> grade

\*\* Must have had Geometry in 8<sup>th</sup> grade

**Bolded** courses are part of the required state assessments



Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

## Algebra 1



Course ID: MTH100  
Prerequisite: None

Credit: 1

Grade Level: 9, 10, 11, 12

**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  
Prerequisite: Algebra I

Credit: 1

Grade Level: 9, 10, 11, 12

**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.

## Honors Geometry



Course ID: MTH205  
Prerequisite: Algebra I

Credit: 1

Grade Level: 9, 10, 11, 12

**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.

## Algebra II



Course ID: MTH300  
Prerequisite: Geometry

Credit: 1

Grade Level: 9, 10, 11, 12

**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  
Prerequisite: Honors Geometry

Credit: 1

Grade Level: 9, 10, 11, 12

**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.

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

## College Algebra



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

# Honors PreCalculus



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

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



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

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

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



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

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

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

## Statistics

Course ID        MTH204  
Prerequisite:    Algebra I

Credit:    .5

Grade Level:   10, 11, 12

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

## AP Statistics



Course ID        MTH203  
Prerequisite:    Algebra II

Credit:    1

Grade Level:   10, 11, 12

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

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



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# Science

## CLASS OF 2023 AND BEYOND

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

**Gold Medallion Diploma** (3 units required, 4<sup>th</sup> unit recommended)

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Honors Biology	Honors Chemistry Chemistry	Physics AP Biology College Biology College Chemistry College Physics* AP Physics 1* Human Anatomy & Physiology Environmental Science	College Chemistry AP Chemistry College Physics AP Physics 2 Human Anatomy & Physiology Environmental Science

## Biomedical Pathway-Project Lead the Way

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
College Principles of Biomedical Science – PLTW	College Human Body Systems – PLTW	College Medical Interventions – PLTW	College Biomedical Innovations – PLTW



Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

## Honors Biology



Course ID: SCI315

Credit: 1

Grade Level: 9

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. ***This course will have an industry emphasis dependent upon the student's pathway selection.***

## Chemistry



Course ID: SCI200

Credit: 1

Grade Level: 10, 11, 12

Prerequisite: Algebra I

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

## Honors Chemistry



Course ID        SCI204  
Prerequisite:    Algebra I

Credit: 1

Grade Level: 10, 11, 12

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

## Physics

Course ID        SCI100  
Prerequisite:    Algebra I

Credit: 1

Grade Level: 11, 12

**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. In addition to models and graphical analysis, basic math calculations are used to explain the phenomena of motion. Experimental investigations are key elements in the instructional strategies.

## Human Anatomy & Physiology

Course ID        SCI318  
Prerequisite:    Biology/Honors Biology

Credit: 1

Grade Level: 11, 12

**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  
Prerequisite:    Algebra I or Teacher Recommendation

Credit: 1

Grade Level: 11, 12

*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  
Prerequisite:    Algebra II (Algebra II can be taken concurrently) or Teacher Recommendation

Credit: 1

Grade Level: 11, 12

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

**Course Description:** This course is conducted using inquiry based instructional strategies that focus on experimentation to develop students' conceptual understanding of physics principles. Topics explored include: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, rotational motion, mechanical waves, electrostatics, and DC currents.



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



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



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

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

## College Human Body Systems – PLTW



Course ID: SCI203                      Credit: 1  
Prerequisite: College Principles of Biomedical Science – PLTW

Grade Level: 10, 11, 12

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

**Course Description:** Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.

## College Principles of Biomedical Science – PLTW



Course ID: SCI103                      Credit: 1  
Prerequisite: None

Grade Level: 9, 10, 11, 12

**Course Description:** In this course, students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing, and proposing treatment to patients in a family medical practice, to tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems.

## College Medical Interventions – PLTW



Course ID: SCI314                      Credit: 1  
Prerequisite: College Human Body Systems – PLTW

Grade Level: 11, 12

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

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

## College Biomedical Innovation – PLTW



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

Grade Level: 12

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

**Course Description:** In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21<sup>st</sup> 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.

## Environmental Science

Course ID: SCI311Y                      Credit: 1  
Prerequisite: Biology and Chemistry

Grade Level: 11, 12

Environmental Science is a course for students who are interested and concerned about the environment, conservation of the natural world, and the effect of the human population on the planet. Major units of study will include Biodiversity, Water Quality, Pollution and Wastes, Population, Extinction, Community Ecology, Climate, Resources, and Energy. Frequent labs, activities and computer applications are integral to the course. Students are expected to participate in fieldwork projects in KCMO, Jackson, Co., or Clay County to support classroom learning.

# Social Studies

**Career/College Readiness Diploma** (3 units required) – **Gold Medallion Diploma** (4 units required)

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
World History Honors World History AP World History: Modern AP Human Geography*	US History Honors US History AP United States History AP World History: Modern AP Human Geography AP Psychology	College US Government AP Government Politics US AP Comparative Politics AP World History: Modern AP Human Geography Psychology AP Psychology	AP United States History AP Government Politics US AP Comparative Politics AP World History: Modern Military History AP Human Geography Psychology AP Psychology Sociology

\* This meets the World History credit requirement



Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

## World History



Course ID: SST100  
Prerequisite: None

Credit: 1

Grade Level: 9

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

## Honors World History



Course ID: SST105  
Prerequisite: None

Credit: 1

Grade Level: 9

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

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

## US History



Course ID SST200  
Prerequisite: None

Credit: 1

Grade Level: 10

**Course Description:** Students will explore American history through the themes of: geography, culture, economics, government, and conflict. The content will encompass information from post 1870 American society, politics, and economic development. Students will learn skills historians acquire such as: analysis, synthesis, reading with purpose, and writing in multiple styles. ***This course will have an industry emphasis dependent upon the student's pathway selection.***

## Honors US History



Course ID SST205  
Prerequisite: None

Credit: 1

Grade Level: 10

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

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

## College US Government



Course ID SST317  
Prerequisite: World History, US History

Credit: 1

Grade Level: 11, 12

**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  
Prerequisite: None

Credit: 1

Grade Level: 11, 12

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

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

**Course Description:** Students will develop an analytical perspective on government and politics in the United States. It requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics.

## AP Comparative Government & Politics



Course ID        SST319  
Prerequisite:    None

Credit: 1

Grade Level: 11, 12

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

**Course Description:** Today's world requires that all citizens be fluent in foreign policy, international diplomacy, and complex global issues. AP Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in six core countries: China, Great Britain, Iran, Mexico, Nigeria, and Russia. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. Careful comparison of political systems produces useful knowledge about the institutions and policies countries have employed to address problems or what they have done to make things worse. The course incorporates current events and news stories that make the curriculum engaging and relevant. Students interested in foreign policy, diplomacy, international law, and international business will find the course invaluable.

## AP United States History



Course ID        SST312  
Prerequisite:    None

Credit: 1

Grade Level: 10, 11, 12

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

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

**Course Description:** Students will address political and social development of American Civilization from the beginning to the present day.

## College United States History



Course ID        SST304  
Prerequisite:    10<sup>TH</sup> graders may appeal to be enrolled

Credit: 1

Grade Level: 10, 11, 12

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

**Course Description:** Students will address political and social development of American Civilization from the beginning to the present day.

## AP World History: Modern



Course ID        SST108  
Prerequisite:    None

Credit: 1

Grade Level: 10, 11, 12

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

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

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

## College World History



Course ID SST107  
Prerequisite: None

Credit: 1

Grade Level: 10, 11, 12

**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.

## Psychology

Course ID SST311  
Prerequisite: None

Credit: 1

Grade Level: 10, 11, 12

**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  
Prerequisite: None

Credit: 1

Grade Level: 10, 11, 12

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

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

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

## Sociology



Course ID SST305  
Prerequisite: None

Credit: .5 or 1 (depending  
on school)

Grade Level: 11, 12

**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.

## Military History

Course ID SST204  
Prerequisite: None

Credit: 1

Grade Level: 10, 11, 12

**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.

## **AP Human Geography**



Course ID: SST318

Credit: 1

Grade Level: 9, 10, 11, 12

Prerequisite: None

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

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



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## Technical Core

***School of Public and Commercial Services***

## Introduction to Hospitality, Tourism, and Culinary Arts

Course ID:	PAH100Y	Credit:	1	Grade Level:	9
Prerequisite:	None				

**Course Description:** This course will provide students with a thorough overview of the Hospitality, Tourism and Culinary Arts industry. Culinary Arts, Tourism and Hospitality represent broad subject areas. This course will help the student understand the different market segments and the varied opportunities that exist in one of the country's largest industries.

## **Honors Introduction to Human and Public Services**

Course ID:	PAH101Y	Credit:	1	Grade Level:	9
Prerequisite:	None				

**Course Description:** Students will explore the commercial and public services. They will identify personal strengths and struggles in relation to employability skills while gaining a strong understanding of the many different career fields that exist within commercial and public services. Students will create an awareness around cultural and equity issues that exist in careers within this pathway and learn empathy towards all. Additionally, students will learn to analyze various electronic and print sources for biases and learn to decipher fact from opinion in order to create an informed view on various social issues as it pertains to the commercial and public services. They will learn effective communication strategies.

## Interpersonal Communication

Course ID	PAH102Y	Credit:	1	Grade Level:	10
Prerequisite:	None				

**Course Description:** This course focuses on different methods of communicating, making connections, building relationships, and effective communication within a community. Students will analyze the role of self-concept, perception, language, diversity, conflict, and listening as related to impactful communication. This course examines various forms and contexts of verbal and non-verbal communication.

## 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  
Prerequisite: None

Credit: 1

Grade Level: 10, 11, 12

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

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

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

## ProStart Foods Level I



Course ID: FAC206

Credit: 1

Grade Level: 10, 11, 12

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

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

## ProStart Foods Level II



Course ID: FAC207

Credit: 1

Grade Level: 11, 12

Prerequisite: ProStart Foods Level I; if course enrollment numbers exceed capacity, an application process will be utilized

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

## Career Development/Entrepreneurship

Course ID: BLE506y

Credit: 1

Grade Level: 12

Prerequisite: None

**Course Description:** This course introduces individuals to career opportunities and/or career pathways in family consumer sciences and human services-related occupations/careers. It explores the development, marketing, and management functions associated with owning and operating a family consumer sciences and human services-related business. Instruction emphasizes career development and preparation components; balancing family life and entrepreneurial ventures; hands-on activities in entrepreneurial concepts; and use of technology.

*School of Business, Leadership and Entrepreneurship*

## Foundations of Business

Course ID:	BLE100Y	Credit:	1	Grade Level:	9
Prerequisite:	None				

**Course Description:** Exploration of the Business, Leadership and Entrepreneurship Pathway. Students will be exposed to all areas of business including Accounting, Marketing, Finance and Management. They will also begin exploration into corresponding careers within Business, Leadership and Entrepreneurship including exploration of necessary employability skills for these careers. Students will also receive instruction in areas of communication and interpersonal skills, local and global economic awareness, research skills, and business operations. Additionally, students will learn how business impacts daily life.

## 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.

## 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 businesspeople.

## 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.

## **College Advanced Marketing**



Course ID        BMK302  
Prerequisite:    Marketing Principles

Credit:    1

Grade Level:    11, 12

**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.

## **College Sports Marketing I**

Course ID        BMK317  
Prerequisite:    Marketing Principles or Portfolio Submission

Credit:    .5 or 1

Grade Level:    10, 11, 12

**Course Description:** This is an instructional program that focuses on marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events that include videoboard graphics, website maintenance, and social media. The primary goal is to promote North Kansas City School District's high school sporting events. Students are also performing a public service to the district and its patrons via business advertising. Students completing this class will have a working knowledge of the marketing aspects of creating a sports event, including but not limited to website design and maintenance, video board graphics, social media, and fan participation. This knowledge will give students a head start for college and professional careers. There will be mandatory out of the classroom assignments including live broadcasts, social media events, and advertising campaigns.

## **AP Microeconomics**



Course ID        BMK320  
Prerequisite:    None

Credit:    .5

Grade Level:    11, 12

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

**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 Macroeconomics**



Course ID        BMK321S  
Prerequisite:    AP Microeconomics (helpful but not required)

Credit:    .5

Grade Level:    11, 12

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

**Course Description:** This course is an introductory college-level course that focuses on the principles that apply to economic systems 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.



## AP College Computer Science Principles – PLTW



Course ID BMK112 Credit: 1  
Prerequisite: Computer Science Essentials

Grade Level: 9, 10, 11, 12

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

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

**Course Description:** In Computer Science Principles (CSP), students develop the in-demand computer science skills critical to thrive in any of today's and tomorrow's careers. The course promotes computational thinking and coding fundamentals and introduces computational tools that foster creativity. It aims to build students' awareness of the tremendous demand for computer scientists and those who have computational thinking skills and engages students to consider issues raised by the impact of computing on society. Each unit also focuses on one or more computer science-specific career paths.

Computer Science Principles provides students with a broad exposure to the many aspects of computer science while encouraging creativity, socially responsible choices, and ethical behavior. It inspires algorithmic and computational thinking, helping students see themselves in a career path they might not have initially chosen.

## College Principles of Engineering – PLTW



Course ID IND201 Credit: 1  
Prerequisite: None

Grade Level: 10, 11, 12

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

**Course Description:** Students explore a broad range of engineering topics, including robotics, electronics, 3-D modeling, mechanisms, structures, the stress and strain of materials, and ballistics. Students also develop professional skills such as problem solving, communication, empathy, collaboration, critical thinking, resource management, and adaptability.

## College Intro to Engineering Design – PLTW



Course ID IND102 Credit: 1  
Prerequisite: None

Grade Level: 9, 10, 11, 12

**Course Description:** Students dig deep into the design process, applying math, science, and technology standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using hand drawn sketches, 3-D modeling software, 3-D printing, and laser engraving to customize projects.

## College Cyber Security – PLTW



Course ID BMK117 Credit: 1  
Prerequisite: AP College Computer Science Principles – PLTW

Grade Level: 11, 12

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

## **College Civil Engineering and Architecture – PLTW**



Course ID: IND200  
Prerequisite: None

Credit: 1

Grade Level: 10, 11, 12

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

**Course Description:** Students will explore principles including residential and commercial architecture, history, preservation, landscape architecture, planning, and urban design. In this course, you'll put into practice what you've learned in the lectures as you develop skills in freehand drawing, architectural drawing, model making, and experiment with software programs and emerging technologies. You'll also work with local companies to design and implement projects around the city.

## ***School of Health and Wellness***

### **College Principles of Biomedical Science – PLTW**



Course ID: SCI103  
Prerequisite: None

Credit: 1

Grade Level: 9, 10, 11, 12

**Course Description:** In this course, students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing, and proposing treatment to patients in a family medical practice, to tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems.

### **College Human Body Systems – PLTW**



Course ID: SCI203  
Prerequisite: College Principles of Biomedical Science – PLTW

Credit: 1

Grade Level: 10, 11, 12

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

**Course Description:** Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.

### **College Medical Interventions – PLTW**



Course ID: SCI314  
Prerequisite: College Human Body Systems – PLTW

Credit: 1

Grade Level: 11, 12

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

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

### **Therapy Studies & Brain Development**

Course ID: HAW101Y  
Prerequisite: None

Credit: 1

Grade Level: 11, 12

**Course Description:** Emphasis of this course is to develop leadership skills, personal and community awareness. Communication, collaboration, empathy, and problem solving will be emphasized to create an inclusive school climate and culture.

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# Global Language

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Off Campus

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## French

### French I



Course ID: MDL100                      Credit: 1                      Grade Level: 9, 10, 11, 12  
Prerequisite: None

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

### French II



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

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

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

### College French III



Course ID: MDL300                      Credit: 1                      Grade Level: 10, 11, 12  
Prerequisite: French II

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

### College French IV



Course ID: MDL503                      Credit: 1                      Grade Level: 11, 12  
Prerequisite: College French III

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

### College French V



Course ID: MDL506                      Credit: 1                      Grade Level: 12  
Prerequisite: College French IV

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

## German

### German I



Course ID: MDL101                                      Credit: 1                                      Grade Level: 9, 10, 11, 12  
Prerequisite: None

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

### German II



Course ID: MDL201                                      Credit: 1                                      Grade Level: 10, 11, 12  
Prerequisite: German I

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

## Spanish

### Spanish I



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

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

### Spanish II



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

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

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

### College Spanish III



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

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

### College Spanish IV



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

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

## **College Spanish V**



Course ID: MDL508  
Prerequisite: College Spanish IV

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.

## **Spanish for Heritage Speakers I**

Course ID: MDL521  
Prerequisite: Mastery of written and verbal communication in Spanish

Credit: 1

Grade Level: 9, 10, 11, 12

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

## **Spanish for Heritage Speakers II**

Course ID: MDL522Y  
Prerequisite: Spanish for Heritage Speakers I

Credit: 1

Grade Level: 10, 11, 12

**Course Description:** This course is a continuation of Spanish for Heritage Speakers I. The course will focus on building a solid foundation on grammar, speaking and listening skills, reading comprehension, critical thinking, and cultural and intercultural awareness and interactions.



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## *Fine Arts*



Off Campus

## Art

**Art I**

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

**Course Description:** A yearlong 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. Students will apply the elements of art and principles of design to create a portfolio. This class is a prerequisite for 2D, 3D, Graphic Design, and AP Art & Design art courses.

## Visual Art Photography

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

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

## Advanced Visual Art Photography

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

**Course Description:** A yearlong technology intensive course that requires the use of computers and imaging software. This is a yearlong class for students to further develop their skills in digital photography, and mastery of a DSLR camera. School cameras are available for class use. Students who wish to use their own cameras may do so. Students will further their understanding of the principles of design and elements of art in order to develop a 2D media portfolio. ***May be repeated for credit.***

## Drawing, Painting, Printmaking: 2D Media

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

**Course Description:** A yearlong course for students to further develop two-dimensional art medias. Projects will include drawing, painting, and printmaking along with color theory, art history, and more. Students will develop their visual communication skills through cultural and contemporary explorations. Students will further their understanding of the principles of design and elements of art in order to develop a 2D media portfolio. ***May be repeated for credit.***

## **Clay and Sculpture: 3D Media**

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

**Course Description:** A yearlong course for students to further develop three-dimensional art medias. Projects will include ceramics (hand-building and wheel-throwing), sculpture, and fiber. Continued exploration of surface treatment techniques, form, spatial relationships, color theory, art history, and more. Students will develop their visual communication skills through cultural and contemporary explorations. Students will further their understanding of the principles of design and elements of art in order to develop a 3D media portfolio. ***May be repeated for credit.***

## **Graphic Design**

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

**Course Description:** A yearlong technology intensive course that requires the use of computers and imaging software as a form of communication used in today's world. This course introduces the principles of visual and typographic design using both traditional and digital art-making techniques. Students will work with real world subjects in corporate design, advertising and marketing for client-based projects. ***May be repeated for credit.***

## **AP Art and Design (formerly AP Studio Art)**



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

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

**Course Description:** AP Art & Design is equivalent to a college-level course. Students will create, plan, and execute a portfolio of 15 artworks based on student's sustained investigation through their essential question, a range of approaches, and selected works. Students will choose their portfolio based on their expertise including digital and traditional methods: 2-D design, Drawing, or 3-D design. Students will emphasize research, experimentation, discovery, inventive thinking and art-making, and problem solving in your work. A qualifying portfolio score can earn college credit and/or advanced placement. ***May be repeated for credit.***

## **AP Art History**



Course ID           ART505                           Credit:   1                           Grade Level:   10, 11, 12  
Prerequisite:       None

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

**Course Description:** AP Art History is equivalent to a college level course. The AP History course welcomes students into the global art world to engage with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the students develop an in-depth, holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, developing understanding of individual works and interconnections across history.

## *Instrumental Music*

## Chamber Orchestra

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

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

## Concert Band

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

**Course Description:** This course is open to woodwind, brass, and percussion players. Technical development through scales, articulation studies, and rhythmic accuracy is stressed along with development of tessitura and tone quality. This band plays grade level three and four music. Student participation is stressed and concerts are required. Placement in Concert Band is based on audition. ***May be repeated for credit.*** (Participation in interscholastic competition is required. Students must remain eligible as defined by MSHSAA).

## Music Appreciation

Course ID:	MUS104	Credit:	1	Grade Level:	9, 10, 11, 12
Prerequisite:	None				

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

## Jazz Band

Course ID	MUS200	Credit: 1	Grade Level: 9, 10, 11, 12
Prerequisite:	Audition on one of the following: drum set, electric bass, guitar, piano, saxophone, trombone, trumpet, vibes		

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

## Symphonic Band

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

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

## **Symphonic Orchestra**

Course ID: MUS206  
Prerequisite: Audition

Credit: 1

Grade Level: 9, 10, 11, 12

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

## **Music Theory**



Course ID: MUS205  
Prerequisite: Read music fluently

Credit: 1

Grade Level: 10, 11, 12

**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  
Prerequisite: Read music fluently

Credit: 1

Grade Level:

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

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

## **Vocal Music**

### **Mixed Choir**

Course ID: MUS103  
Prerequisite: None

Credit: 1

Grade Level: 9, 10, 11, 12

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

### **Bass Choir**

Course ID: MUS213  
Prerequisite: None

Credit: 1

Grade Level: 9, 10, 11, 12

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

## Treble Choir

Course ID: MUS105  
Prerequisite: None

Credit: 1

Grade Level: 9, 10, 11, 12

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

## Varsity Treble Choir

Course ID	MUS115
Prerequisite:	Audition

Credit: 1

Grade Level: 10, 11, 12

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

## A Cappella Choir

Course ID	MUS300
Prerequisite:	Audition

Credit: 1

Grade Level: 10, 11, 12

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

## Chamber/Show/Jazz Choir

Course ID	MUS212
Prerequisite:	Audition

Credit: 1

Grade Level: 10, 11, 12

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

## Theater

## Theater I

Course ID: SPT102  
Prerequisite: None

Credit: 1

Grade Level: 9, 10, 11, 12

**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
Prerequisite:	Theater I

Credit: 1

Grade Level: 10, 11, 12

**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
Prerequisite:	Theater II; audition may be required based upon enrollment		

Credit: 1

Grade Level: 11, 12

**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
Prerequisite:	Theater III; audition may be required based upon enrollment		

Credit: 1

Grade Level: 12

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

## College Theater: Foundations of Fine Arts

Course ID	SPT105	Credit:	1
Prerequisite:	None		

Credit: 1

Grade Level: 11, 12

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

## Competitive Drama

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

Credit: 1

Grade Level: 9, 10, 11, 12

**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 in Friday and Saturday tournaments 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 in Friday and Saturday tournaments is required. Students must remain eligible as defined by MSHSAA.**

### **Theater Special Projects**

Course ID SPT302

Credit: .5

Grade Level: 11, 12

Prerequisite: Theater II

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



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Experiences

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



Off Campus

## **Physical Education**



Course ID: PEH102  
Prerequisite: None

Credit: .5

Grade Level: 9, 10

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

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

## **Strength & Conditioning I**

Course ID: PEH107  
Prerequisite: None

Credit: .5

Grade Level: 9, 10, 11, 12

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

## **Strength & Conditioning II**

Course ID: PEH110  
Prerequisite: Coach's Authorization

Credit: .5

Grade Level: 9, 10, 11, 12

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

## **Team Sports**

Course ID: PEH108  
Prerequisite: None

Credit: .5

Grade Level: 10, 11, 12

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



Extraordinary Educational  
Experiences

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# Practical Arts – Business & Marketing

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Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

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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.

## **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.

## **College Business Management**



Course ID            BMK307                                      Credit:    1.00                                      Grade Level:    10, 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.

## **College Advanced Marketing**



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.

## **College Entrepreneurship**

Course ID            BMK105                                      Credit:    1                                      Grade Level:    10, 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.

## **College Sports Marketing I**

Course ID: BMK317      Credit: .5 or 1  
Prerequisite: Marketing Principles or Portfolio Submission

Grade Level: 10, 11, 12

**Course Description:** This is an instructional program that focuses on marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events that include videoboard graphics, website maintenance, and social media. The primary goal is to promote North Kansas City School District's high school sporting events. Students are also performing a public service to the district and its patrons via business advertising. Students completing this class will have a working knowledge of the marketing aspects of creating a sports event, including but not limited to website design and maintenance, video board graphics, social media, and fan participation. This knowledge will give students a head start for college and professional careers. There will be mandatory out of the classroom assignments including live broadcasts, social media events, and advertising campaigns.

## **College Sports Marketing II**

Course ID: BMK319Y      Credit: .5 or 1  
Prerequisite: College Sports Marketing, I

Grade Level: 11, 12

**Course Description:** College Sports Marketing II is the next step for those students who have already completed College Sports Marketing I and want more experience in the sports marketing field. They will act as trainers and supervisors for Sports Marketing I students as managers at events and mentors in the classroom.

## **Marketing Internship (off campus)**



Course ID: BMK303      Credit: .5 – 2      Grade Level: 11, 12  
Prerequisite: Concurrent enrollment in Marketing Principles, Marketing Advanced, or College Entrepreneurship

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

## **Computer Applications**



Course ID: BMK121      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.

## **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.

## AP College Computer Science Principles - PLTW



Course ID: BMK112  
Prerequisite: Algebra I

Credit: 1

Grade Level: 9, 10, 11, 12

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

**Course Description:** In Computer Science Principles (CSP), students develop the in-demand computer science skills critical to thrive in any of today's and tomorrow's careers. The course promotes computational thinking and coding fundamentals and introduces computational tools that foster creativity. It aims to build students' awareness of the tremendous demand for computer scientists and those who have computational thinking skills, and engages students to consider issues raised by the impact of computing on society. Each unit also focuses on one or more computer science-specific career paths.

Computer Science Principles provides students with a broad exposure to the many aspects of computer science while encouraging creativity, socially responsible choices, and ethical behavior. It inspires algorithmic and computational thinking, helping students see themselves in a career path they might not have initially chosen.

## AP College Computer Science A – PLTW



Course ID: BMK113  
Prerequisite: AP College Computer Science Principles – PLTW

Credit: 1

Grade Level: 10, 11, 12

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

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

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

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

## Computer Programming Capstone

Course ID: BMK318  
Prerequisite: At least two of the following courses: College Computer Science Essentials-PLTW, Computer Science Principles-PLTW, or Computer Science A-PLTW

Credit: .5

Grade Level: 11, 12

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

## College Cyber Security – PLTW



Course ID: BMK117  
Prerequisite: AP College Computer Science Principles – PLTW

Credit: 1

Grade Level: 11, 12

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

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

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# Practical Arts – Family & Consumer Science

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Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

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## **Foods for Life**

Course ID: FAC104  
Prerequisite: None

Credit: .5

Grade Level: 9, 10, 11, 12

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

## **International Foods**

Course ID: FAC109  
Prerequisite: Foods for Life

Credit: .5

Grade Level: 10, 11, 12

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

## **ProStart Foods Level I**



Course ID: FAC206  
Prerequisite: Foods for Life; if course enrollment numbers exceed capacity, an application process will be utilized

Credit: 1

Grade Level: 10, 11, 12

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

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

## **ProStart Foods Level II**



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

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

## **Fashion Product Development**

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

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

## **Interior Decorating and Design**

Course ID: FAC210                      Credit: 1                      Grade Level: 9, 10, 11, 12  
Prerequisite: None

**Course Description:** Would you like to participate in hands-on learning by using the rules of design? You will use your personal creativity in this class to understand how to design interiors. First semester focuses on the elements and principles of design. Second semester emphasizes décor styles, furniture arrangement, and historical housing styles. Opportunities to apply these concepts will help personally and professionally. Does not include building and home construction techniques.

## **Fashion/Interior Design & Merchandising**

Course ID: FAC313                      Credit: 1                      Grade Level: 10, 11, 12  
Prerequisite: None

**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 fashion and interior trends, the elements and principles of design, and the application of design details. Students will analyze consumers' past and current influences, industry motivation, sales, and marketing within the industry.

## **Advanced Fashion Product Development**

Course ID: FAC108                      Credit: 1                      Grade Level: 10, 11, 12  
Prerequisite: Fashion Product Development

**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 and may be taken for *college credit at Winnetonka only*.

## **Apparel Construction**

Course ID            FAC310                            Credit:    .5  
Prerequisite:        Advanced Fashion Product Development

Grade Level:    11, 12

**Course Description:** Students enrolled in this class will use advanced skills to create approved projects. They will develop skills in pattern making and adjustments. 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.

## **Child Development I**

Course ID            FAC106                            Credit:    .5  
Prerequisite:        None

Grade Level:    9, 10, 11, 12

**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 II**



Course ID            FAC306                            Credit:    1  
Prerequisite:

Grade Level:    10, 11, 12

*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.

## **Interpersonal Relationships**

Course ID            FAC322                            Credit:    1  
Prerequisite:        None

Grade Level:    11, 12

**Course Description:** Interpersonal Relationships encourages self-examination and critical thinking to develop skills for success in relationships in today's changing world. This class will help you navigate friendships, love, family, and proper communication in order to build and maintain strong relationships. Areas of study include understanding oneself and others, leadership, communication, long-term committed relationships, family systems, financial responsibility, parenting, and the family life cycle.

## **College Introduction to Teaching**



Course ID            GEN509                            Credit:    1  
Prerequisite:        Child Development I strongly suggested

Grade Level:    10, 11, 12

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

**Course Description:** This course is designed to explore the skills needed to become a teacher in the 21<sup>st</sup> 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.



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

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

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# Practical Arts – Engineering & Industrial Technology

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Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

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## **Home Maintenance & Repair**

Course ID: IND104

Credit: 1

Grade Level: 9, 10, 11, 12

Prerequisite: None

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

## **Woodworking I**

Course ID: IND103

Credit: 1

Grade Level: 9, 10, 11, 12

Prerequisite: None

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

## **Woodworking II**

Course ID: IND202

Credit: 1

Grade Level: 10, 11, 12

Prerequisite: Woodworking I

**Course Description:** This course is designed for students who have mastered Woodworking I. Students will construct required projects.

## **Woodworking III**

Course ID: IND302

Credit: 1

Grade Level: 11, 12

Prerequisite: Woodworking II

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

## **Woodworking IV**

Course ID: IND500

Credit: 1

Grade Level: 12

Prerequisite: Woodworking III

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

## College Introduction to Engineering Design – PLTW



Course ID        IND102  
Prerequisite:    None

Credit: 1

Grade Level: 9, 10, 11, 12

**Course Description:** Students dig deep into the design process, applying math, science, and technology standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using hand drawn sketches, 3-D modeling software, 3-D printing, and laser engraving to customize projects.

## College Principles of Engineering – PLTW



Course ID        IND201  
Prerequisite:    None

Credit: 1

Grade Level: 10, 11, 12

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

**Course Description:** Students explore a broad range of engineering topics, including robotics, electronics, 3-D modeling, mechanisms, structures, the stress and strain of materials, and ballistics. Students also develop professional skills such as problem solving, communication, empathy, collaboration, critical thinking, resource management, and adaptability.

## College Digital Electronics – PLTW



Course ID        IND301  
Prerequisite:    None

Credit: 1

Grade Level: 11, 12

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

**Course Description:** From smartphones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electronics, circuit design, prototyping, and soldering. Students study topics such as electrical theory, binary code, and combinational and sequential logic. They use current electrical circuit design tools used in industry to hard code physical devices such as robots, computers, and breadboards. Students will learn basic coding for CNC machines, water jet machines, and laser engravers.

## College Civil Engineering and Architecture – PLTW



Course ID        IND200  
Prerequisite:    None

Credit: 1

Grade Level: 10, 11, 12

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

**Course Description:** Students will explore principles including residential and commercial architecture, history, preservation, landscape architecture, planning, and urban design. In this course, you'll put into practice what you've learned in the lectures as you develop skills in freehand drawing, architectural drawing, model making, and experiment with software programs and emerging technologies. You'll also work with local companies to design and implement projects around the city.

## College Engineering Design and Development – PLTW



Course ID        IND501  
Prerequisite:    Two PLTW Engineering Courses

Credit: 1

Grade Level: 12

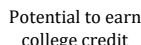
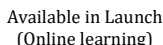
*Note: This course is offered as a part of the Engineering pathway in the IB Career-related Program (IBCP).*

**Course Description:** The knowledge and skills students acquire throughout PLTW engineering courses come together in Engineering Design and Development. Students that have previously taken at least two other PLTW engineering classes, and are a current 12<sup>th</sup> grade student, spend the entire school year identifying and solving a problem. During this process, a team will define a personal or world issue, research the problem, survey interested parties, design a possible solution, build/prototype, and test their finished product. Opportunities to work with professionals in that industry will be available.

# Practical Arts - Journalism

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 Available in Launch (Online learning)	 Weighted	 Gold Medallion course	 Potential to earn college credit	 Off Campus
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**Journalism 1 (ELA Credit)**

Course ID:	MED104	Credit:	1	Grade Level:	9, 10, 11, 12
Prerequisite:	None				

**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. Students are not required to own a camera; the school may provide a camera. This is a preparatory course for Journalism 2 Yearbook and Journalism 2 Magazine Across Platforms.

**Journalism 1 Broadcast**

Course ID:	MED103	Credit:	1	Grade Level:	9, 10, 11, 12
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. Students are not required to own a camera; the school may provide a camera. This is a preparatory course for Journalism 2 Broadcast and Journalism 2 Sports Broadcasting.

<b><u>Journalism 1 Photography</u></b>			
Course ID:	MED105	Credit:	1
Prerequisite:	None	Grade Level:	9, 10, 11,12

**Course Description:** This course provides instruction in all aspects of photography in the multimedia journalism career field; students learn theories and procedures for shooting, publishing, composition, documentary photography, caption writing, layout, graphics and some story writing as well as media law and ethics in the field of journalism. Students are not required to own a camera; the school may provide a camera. This is a preparatory course for Journalism 2 level courses.

<b><u>College Journalism 2 Magazine Across Platforms</u></b>			
Course ID	MED204	Credit: 1	Grade Level: 10, 11, 12
Prerequisite:	Journalism 1 or Journalism 1 Photography		

**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. Students are not required to own a camera; the school may provide a camera. ***May be repeated for credit.***

## **College Journalism 2 Yearbook**

Course ID MED301 Credit: 1  
Prerequisite: Journalism 1 or Journalism 1 Photography

Grade Level: 10, 11, 12

**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. Students are not required to own a camera; the school may provide a camera. ***May be repeated for credit.***

## **College Journalism 2 Broadcast**

Course ID MED205 Credit: 1  
Prerequisite: Journalism 1 Broadcast

Grade Level: 10, 11, 12

**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. Students are not required to own a camera; the school may provide a camera. ***May be repeated for credit.***

## **College Journalism 2 Sports Broadcasting**

Course ID MED303 Credit: 1  
Prerequisite: Journalism 1 Broadcast, Journalism 2 Broadcast

Grade Level: 10, 11, 12

*Note: There will be mandatory after-school, evening, and weekend assignments including live broadcasts and other events. Students may be required to provide transportation to evening sports and school events.*

**Course Description:** This course is designed to be practical and interactive, covering all aspects of 21st century sports and event broadcasting. Students will learn how to create live broadcasts, write cohesively and concisely, how to conduct and edit interviews, how to deal with athletes and sports executives at all levels, and how to use technology to enhance production value. Students will be using professional broadcast equipment including cameras, replay, graphics, switchers, video boards, etc., plus work as announcers, producers, directors, tech crew and more. The primary goal is to create professional sports and event broadcasts to promote the high school programs. Students perform a public service to the district and its patrons. Students completing this class will have a working knowledge of the business and technological aspects of creating a sports or event broadcast. This knowledge will give students a head start for college and professional careers. In addition, this course will work closely with the College Sports Marketing class, similar to how professional sports broadcasters work with their marketing teams. ***May be repeated for credit.***

## **Journalism 3 Digital Laboratory**

Course ID MED302 Credit: 1  
Prerequisite: Concurrent enrollment in Journalism 2 course (Magazine Across Platform, Yearbook, Broadcast, Sports Broadcast, or College Sports Marketing).

Grade Level: 10, 11, 12

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

## **Communications Capstone**



Course ID MED304S Credit: .5 per block Grade Level: 11, 12  
Prerequisite: Any level 2 Journalism course (Journalism 2 Magazine Across Platforms, Journalism 2 Yearbook, Journalism 2 Broadcast, Journalism 2 Sports Broadcast), can be taken concurrently. Or, advanced studies in marketing, advertising, public relations, or other communication-related career courses.

**Course Description:** Explore the Communications career pathway, in fields such as print journalism, online media, broadcast, graphic design, advertising, marketing and other careers in the Communication field, by spending part of your day in the work world away from school with a community professional. In the fall semester, students will reflect on their current career skills, build a portfolio and resumé to find and secure an internship. 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. In the spring semester, student career experiences will be in the form of job shadows, work experience, and internships. Working with a field site supervisor in one of these areas will familiarize students with the responsibilities and rewards of that career choice. Between .5 and 2 credits can be earned each year; a student could enroll in 1 or 2 blocks each semester. Internships include 40 hours at the work site in the spring semester for .5 credit; 80+ hours may earn 1 credit. ***May be repeated for credit.***

***Practical Arts – Employment Experience and Internship Program***



Available in Launch  
(Online learning)



Weighted



### Gold Medallion course



Potential to earn college credit



Off Campus

**Employment Experience** (*off campus*)



Course ID	VAC352	Credit: .5	Grade Level: 11, 12
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**Prerequisite:** Employment and transportation

**Course Description:** This course is for students who have a job outside of the school day and want to earn elective credit for the experience they are gaining while at work. This course requires students work a minimum of 180 hours per block per semester. Students must provide documentation that shows how many hours they work each pay period. In addition to providing documentation for hours worked, students must also complete the required online coursework which focuses on making connections between the work experience and desired professional skills. Students can take the class for up to 1 credit per semester, not to exceed 2 units of credit during any school year for this course.

**NKC Professional Internship Program** (*off campus*)



Course ID	PIP101	Credit: .5	Grade Level: 11, 12
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**Prerequisite:** 90% Attendance or 2.8 Grade Point Average. Transportation is highly suggested.

**Course Description:** This dynamic internship program offers students the ultimate opportunity to develop essential professional skills while gaining real-world experience. Over the fall semester, students will participate in several job shadow experiences across various industries, allowing them to delve into different career paths. In addition to hands-on learning, students will engage in resume building, interview preparations, and career exploration activities. During the spring semester, participants will intern Monday through Thursday, with a dedicated class every Friday to reflect on their experiences.

By the end of the course, students will complete a comprehensive portfolio, an online employment profile, and an updated resume, equipping them for future career endeavors. It is strongly suggested students provide their own transportation. *\*\*This course provides opportunity to earn A+ hours, community service hours, and up to 4 hours of dual credit.*



## Extraordinary Educational Experiences

## *General Electives*



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 9<sup>th</sup> 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 10<sup>th</sup> 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 11<sup>th</sup> 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.

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

## College Introduction to Teaching



## Pathways Ambassadors

### Peer Mentor

## Personal Finance



**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.***

## **Stagecraft**

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

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

## **Adaptive Physical Education Assistant**

Course ID            SPS300                            Credit:    .50                            Grade Level:    11, 12  
Prerequisite:        Students must complete application process and receive approval.

**Course Description:** In this course, students will assist class members who have disabilities. Assistants will help with all class activities. ***May be repeated for credit.*** (This is a General Elective credit, not a PE credit.)

## **Leadership**

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

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

## **Leadership for School Climate & Culture**

Course ID            GEN111Y                            Credit:    1                            Grade Level:    11, 12  
Prerequisite:        None

**Course Description:** Emphasis of this course is to develop leadership skills, personal and community awareness. Communication, collaboration, empathy, and problem solving will be emphasized to create an inclusive school climate and culture.

## AP Seminar



Course ID        RES302  
Prerequisite:    None

Credit: 1

Grade Level: 11, 12

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

## AP Research



Course ID        RES303  
Prerequisite:    AP Seminar

Credit: 1

Grade Level: 11, 12

**Course Description:** AP Research is designed to allow you to dive into an academic topic, problem, or issue of individual interest. You will further develop the skills you acquired in the AP Seminar course by understanding research methods; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. The course culminates in an academic paper of 4,000-5,000 words and a presentation with an oral defense during which you will answer questions about your academic paper. In the AP Research course, you will employ research and inquiry methodology to develop, manage, and conduct an in-depth study or investigation of an area of student's own interest, culminating in a 4,000-5,000 word paper. You will also present (using appropriate media), and defend the research design, approach, and findings. Finally, you will document and reflect upon the research process and communication with mentor using a research log. AP Research is the second course required to earn the AP Capstone diploma. This course can count as your 12th grade ELA graduation requirement.



Extraordinary Educational  
Experiences

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

Note: All CTEC programs are by application and approval. Applications are available in the Counseling offices or visit <https://nkcsautotech.weebly.com/>

## Automotive Technology I

**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 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. Upon successful completion of Automotive Technology II, student may earn up to 21 college credits through Johnson County Community College toward an Associate of Applied Science in Automotive Technology.

**Technical English Language Arts** (*embedded credit*)

**Course Description:** Students participating in the two-year Automotive Technology will receive 0.25 English Language Arts credits as embedded credits for each successfully completed semester in either the Automotive 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 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 at the Career Technical and Education Center (CTEC) will receive 0.25 Technical Mathematics credits as embedded credits for each successfully completed semester in Automotive 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 program.



Extraordinary Educational  
Experiences

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# Early College Academy-Off Campus Programs

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Available in Launch  
(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.*

## Early College Academy Programs

NKC Schools has partnered with several institutions of higher education to give students the opportunity to learn on college campuses.

Dual enrollment programs offer high school students a unique opportunity to get a head start on their college education. By taking college courses while still in high school, students can earn both high school and college credits simultaneously, saving time and money. These programs not only enhance academic rigor but also allow students to explore their interests, develop critical skills, and ease the transition to college life. With access to college-level resources and instructors, dual enrollment can empower students to achieve their educational and career goals while gaining a competitive edge for their future. We encourage students to embrace the chance to advance their learning and expand their horizons today!

Please direct questions about ECA programs to Shannon Gilliland, Director Early College Programs,  
[Shannon.gilliland@nkcschools.org](mailto:Shannon.gilliland@nkcschools.org)

## Early College Academy – Maple Woods Metropolitan Community College

Early College Academy scholars will earn between 10 and 15 college hours per semester of enrollment at the Metropolitan Community College – Maple Woods Campus. Juniors and seniors can apply to the Early College Academy and choose from the morning 8 am – 11 am session (transportation provided) or the afternoon 11 am – 2:30 p.m. session. These college courses will concurrently count toward high school graduation requirements AND a college degree. These courses may be part of the [CORE 42](#) that are transferrable to any publicly funded 4-year college or university in Missouri. Students can make substantial progress toward earning an Associate of Arts degree as they begin their post-secondary career. The students may transfer the coursework to other colleges or universities. Students who are accepted and meet program expectations will have tuition/books/fees and individual supports provided. To learn more please click [ECA-MCC](#).

Students who start the program as a junior will have an opportunity to earn their [Associate in Arts degree](#) or Core 42 Certificate.

### CORE 42 Knowledge Areas and Distribution Requirements

Knowledge Area	Distribution Requirement
Social & Behavioral Sciences	Nine (9) credit hours minimum, from at least two (2) disciplines, including at least one Civics course.**
Written Communications	Six (6) credit hours minimum.
Oral Communications	Three (3) credit hours minimum.
Natural Sciences	Seven (7) credit hours minimum, from at least two (2) disciplines, including one course with a lab component.
Mathematical Sciences	Three (3) credit hours minimum. Mathematical Sciences courses that use one of the pathways courses as a prerequisite will meet the general education credit for math. For example, Calculus meets the general education math requirement since Pre-Calculus Algebra is a prerequisite.
Humanities & Fine Arts	Nine (9) credit hours minimum, from at least two (2) disciplines. There is a limit of three (3) credit hours of Performance (PERF) courses that can be applied to the Humanities & Fine Arts Knowledge Area and to the total CORE 42.

The number of hours listed above only total 37 credit hours. The remaining 5 credit hours may be taken from other MOTR courses, distributed across the knowledge areas.

\*\*Note that the civics requirement in CORE 42 is different from and does not fulfill the requirements of RSMo 170.013, Missouri Higher Education Civics Achievement Examination.

## Associate in Arts degree

**Purpose Statement:** The Metropolitan Community College Associate in Arts degree provides a well-rounded educational foundation that prepares students as citizens in a democratic society, aids in their selection of an appropriate major/career path and provides a path to complete a baccalaureate degree. Note: Credits listed under MOTR and MCC indicate the minimum number of credits needed to fulfill the respective requirement.

### [Learn More](#)

CIVICS EXAM	Missouri Law (SB807) requires all public colleges and universities to administer a civics exam to students as a requirement for graduation. Students must score at least 70% on the exam before they can receive a degree.	
DIVERSITY COURSE	<b>Required Diversity Course:</b> Courses marked with a globe (🌐) are diversity courses. Choose one of the indicated courses to fulfill the Diversity requirement. Additional MCC courses carrying the Diversity designator can be found <a href="#">here</a> .	
<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>Core 42/MOTR Credit Hours</b>	<b>MCC Credit Hours</b>
ORAL COMMUNICATIONS	3	3
WRITTEN COMMUNICATIONS	6	6
MATHEMATICAL SCIENCES	3	3
SOCIAL AND BEHAVIORAL SCIENCES	9	9
NATURAL SCIENCES (7 credit minimum, with two courses from two different disciplines, including at least one course with lab).	7	7
HUMANITIES AND FINE ARTS	9	12
MINIMUM MOTR REQUIRED CLASSES	37	40
ADDITIONAL MOTR ELECTIVES	5	2
TOTAL GENERAL EDUCATION CREDIT HOURS	42	42
GENERAL DEGREE REQUIREMENTS	Credits to complete AA degree	
AA DEGREE ELECTIVES*	18	18
<b>Total Credit Hours Required for Associate in Arts Degree</b>		<b>60 Credit Hours (minimum)</b>

\*A student may take any 100 level or higher MCC course(s) to satisfy the elective requirements for the AA.

Courses may only be used to fulfill one requirement. Non MOTR courses are not guaranteed to transfer, and some may require prerequisite work. Students should consult with academic advisors both at MCC and any planned transfer institutions. Recommended electives are lists of suggested courses designed to help students gain expertise in a specific area of study while pursuing the AA. These courses are not guaranteed to transfer, and some may require prerequisite work. Students should consult with academic advisors both at MCC and any planned transfer institutions.

## ***Early College Academy: University Missouri Kansas City***

The UMKC-NKC Early College Academy is being offered to students who will be seniors in the 2025-2026 school year. This is an excellent opportunity for students to gain experience navigating a large college or university campus after high school. UMKC offers a wide array of classes - especially the Arts, Engineering, Business, just to name a few.

Early College Academy scholars will earn between 9-12 college hours per semester of enrollment at University Missouri Kansas City. Seniors can apply to the Early College Academy and choose a half day or full day schedule. These college courses will concurrently count toward high school graduation requirements AND a college degree.

These courses may be part of the CORE 42 that are transferrable to any publicly funded 4-year college or university in Missouri. Students can make substantial progress toward earning a degree as they begin their post-secondary career. The students may transfer the coursework to other colleges or universities. Students who are accepted and meet program expectations will have tuition/books/fees and individual supports provided.

Click the link to learn more about [UMKC-NKC ECA](#) program.

## ***Early College Academy: Collegiate Nursing Academy-William Jewell College***

***Students must provide their own transportation for this program.***

The Collegiate Nursing Academy is being offered to students who will be seniors in the 2025-2026 school year. This program is designed to provide students a learning experience in healthcare that exposes participants to the Nursing profession, the educational expectations and academic rigor expected of those who plan to enter the nursing field, clinical experience, and the necessary preparation to earn the Certified Nurse Assistant (CNA) certification.

All participants will receive instruction from college-level faculty at William Jewell College for their required 75 hours of coursework, 100 hours of real-world clinical experience with teaching nurses at Liberty Hospital or North Kansas City Hospital and 7.5 free nursing credits. All students who successfully complete the required coursework will be eligible to sit for the state of Missouri CNA certification exam. Students who successfully achieve certification are guaranteed an employment interview with North Kansas City Hospital.

During the Fall semester students will be enrolled Anatomy through WJC and in another general education course in the Spring semester.

Program requirements and application available at: <https://www.nkcschools.org/district/dept/eca/eca-collegiateanursingacademy>

**Any questions regarding Early College Academy at MCC Maple Woods, UMKC, Collegiate Nursing Academy-William Jewell or MCC Advanced Technical Skills Institute, contact Director Early College Programs, Shannon Gilliland 816-321-4672 or [Shannon.gilliland@nkcschools.org](mailto:Shannon.gilliland@nkcschools.org)**

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# Early College Academy: Advanced Technical Skills Institute (ATSI)-MCC

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Available in Launch  
(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.*

## **College Building Maintenance and Construction**



*Kansas City Construction Career Academy*

Course ID           MCC901

Credit:   3

Grade Level:   11, 12

Prerequisite:   None

**Course Description:** This hands-on program provides students the opportunity to learn the knowledge and skills necessary to work in residential and light commercial building maintenance and construction. Students learn topics including carpentry, heating and cooling, electrical wiring, and plumbing. This program of study teaches students useful information and skills that they can use in industry or on their own home projects. The median hourly wage for careers within this field range from \$18.79 to \$25.41. (Location: ATSI campus)

39-66 college credits

Level I & II Certificates  
OSHA 10-hour card

## **College Engineering Technology**



Course ID           BTC305

Credit:   3

Grade Level:   11, 12

Prerequisite:   None

**Course Description:** This program prepares students to be engineering technicians or drafters who work with engineers, designers, physical scientists, and/or planners. Successful completion of this program prepares students to create production drawings and help design structures, civil projects, and mechanical manufacturing processes. This program provides students the skills and the knowledge that can be useful in securing an internship or that prepares them to begin work in a career field where the median hourly wage is \$27.32. (Location: Penn Valley campus)

39-42 college credits

OSHA 10-hour card  
OSHA Electrical Safety

Computer Aided Drafting Certificate



## **College Heating, Ventilation & Air-Conditioning**

Course ID           BTC312

Credit:   3

Grade Level:   11, 12

Prerequisite:   None

**Course Description:** Students who participate in this program will use the same equipment they would use on the job to install, service, and maintain climate control systems. Any student who is interested in facilities management could benefit from the knowledge and skills learned in this program. The median wage for heating, ventilation, and air conditioning technicians is \$23.43 per hour. (Location: ATSI campus)

39-42 college credits

HVAC Job Ready Certificate

OSHA 10-hour card  
OSHA Electrical Safety  
Heating, Ventilation, Air-Conditioning & Refrigeration Advanced Certificate



## **College Welding**

Course ID        BTC320  
Prerequisite:    None

Credit:    3

Grade Level:   11, 12

**Course Description** This program teaches students a variety of welding and fabrication techniques. Shielded metal arc welding, MIG welding, TIG welding, flame cutting, and plasma cutting are a few hand-on skills that students will have the opportunity to learn. Students who complete this program can begin working in industry where the median hourly wage is \$20.43. (Location: ATSI campus)



Extraordinary Educational  
Experiences

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# Off Campus Program: Northland CAPS

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Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

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*General Elective courses.*

*Note: Programs are by application and approval. Applications are available in the Counseling offices or find more information at <https://www.northlandcaps.org/>.*

***While having access to personal transportation is highly encouraged for NCAPS participation, district-provided transportation will be provided if available.***

## **Digital Media and Design**



Course ID	NCS105	Credit: 3	Grade Level: 11, 12
Prerequisite:	None		

**Course Description:** This course is designed for the creative/artistic student who is interested in exploring careers in Digital Media. The strand is divided into four sub strands: graphic design, digital photography, video production, and audio production. Students will meet professionals for the four sub strands, visit and work with them using professional tools and computer programs, applying skills and techniques on latest professional editing software. Here you can learn the different concepts and professional skills which coincide with different professions. Some career paths for those in this field are: animator, logo designer, digital photographer, sound and mixing engineers, theater performance, video editor, camera operator, and director.

## **Engineering and Advanced Manufacturing**



Course ID	NCS101	Credit: 3	Grade Level: 11, 12
Prerequisite:	None		

**Course Description:** This course is designed for students who are interested in working hands-on to produce products, developing solutions to complex problems, learning 2D and 3D software programs, and gaining professional skills. Students should be willing to explore different types of engineering and manufacturing positions. Apply lean manufacturing processes that create value for customers and drive out the waste in production. Students experience hands-on, active learning with full immersion in real-world projects sponsored by business partners. Students work in multi-disciplinary teams to provide innovative solutions to a company's real-world problems. Engineering projects are tailored to student interest in the fields of chemical, electrical, mechanical, civil, environmental, software/computer, architectural, advanced manufacturing, robotics, biological, and environmental.

## **Global Business and Logistics**



Course ID	NCS106	Credit: 3	Grade Level: 11, 12
Prerequisite:	None		

**Course Description:** This course is designed for students who are interested in an ever-changing world, where business and marketing decisions must adapt to the global economy, many times resulting in global expansion of the business. Students partner with local, regional, national, and international businesses to produce marketing plans, advertising and promotional plans, customer research, social media plans, event management, and strategic plans. Students will be introduced to domestic and global business operations, economic and cultural factors, political systems, and a survey of marketing within the global economy. Students will experience working with mentors and businesses that organize, plan and manage people, facilities, and supplies. You will learn a set of skills that will allow you to effectively streamline the flow of materials, finances, and information for a company.

## Medicine and Healthcare



Course ID        NCS102  
Prerequisite:    None

Credit:    3

Grade Level:    11, 12

**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  
Prerequisite:    None

Credit:    3

Grade Level:    11, 12

**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.



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## *Off Campus Programs: Class Act Coffee*

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### **Entrepreneurial Studies (Class Act Coffee)**

Course ID            BMK322Y                            Credit:    3                            Grade Level:    11,12  
Prerequisite:        2.75 GPA, 90% Attendance, shadow experience with performance task.

**Course Description:** Class Act Coffee provides students a unique, experiential learning opportunity to gain hands-on business, marketing and entrepreneurial skills that can easily translate across any career path. Students operate all aspects of a fully functioning Coffee Shop in addition to working on Real-World Project. Students are responsible for all aspects of the business, including management, marketing, sales, product research, purchasing, inventory, merchandising, graphic design, facilities management, customer service, accounting, and financial analysis. Students will dive deeper into their specific areas of interest through real-world projects while learning all facets of operating a business. Class Act Coffee also provides students with the opportunity to earn college credit through the University of Missouri-Kansas City. Additional requirements through UMKC must be met to apply for college credit.

### **Entrepreneurial Studies II (Class Act Coffee)**

Course ID            BMK326Y                            Credit:    3                            Grade Level:    11, 12  
Prerequisite: Successful completion of Entrepreneurial Studies I, 2.75 GPA, 90% Attendance

**Course Description:** Class Act Coffee II is designed for students who have successfully completed Class Act Coffee I and are ready to advance their skills in business management and entrepreneurship. This advanced course provides students with opportunities to take on leadership roles within the coffee shop, specializing in areas such as team development, advanced marketing strategies, financial forecasting, product innovation, and sustainable business practices. Students will engage in high-level projects, including business expansion planning, market analysis, advanced financial forecasting, and the development of new product lines. They will also drive initiatives in professional branding, operational sustainability, and strategic decision-making, while managing daily operations and fostering a collaborative team environment. Class Act Coffee II offers the possibility of earning a paid internship within the coffee shop, providing valuable hands-on work experience. This course emphasizes leadership, innovation, professional communication, and collaboration, helping students refine their portfolios and strengthen their post-secondary plans. This course is ideal for students seeking to build advanced business expertise, develop entrepreneurial skills, and gain real-world leadership experience that will set them apart in any career field.



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# Off Campus Program: Northland Career Center (NCC)

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Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

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*Practical Arts courses.*

*Note: This program is by application and approval. Shadowing opportunities are available. Applications are available in the Counseling offices or visit <https://northland.plattecountyschooldistrict.com/> for more information.*

**English Credit:** *Students will meet as a class with the Language Arts Teacher approximately four times a semester to earn .5 credits per year. Lessons and projects will be geared toward improving english skills that will make students more successful for a future career in that particular program. Therefore, plans will include significant input from course instructors while being aligned with standards from the Common Core.*

**Math Credit:** *The math credit (.5 credits per year) will be embedded within the regular schedule of the program. Lessons and projects will be geared toward improving math skills that will make students more successful for a future career in that particular program. Therefore, plans will include significant input from course instructors while being aligned with standards from the Common Core.*

## ***Agriculture, Food, and Natural Resources***

The Northland Career Center partners with the MCC-Maple Woods Early College Program, open to juniors and seniors, and prepares students for agricultural careers in a variety of areas through coursework, labs, project-based learning, and greenhouse studies. Agricultural Sciences introduces students to the cultivation, processing, marketing and distribution of food, forestry and horticulture that occur in built-up “intra-urban” areas. Career and degree pathways are created through the teaching of fundamental core areas: Agribusiness (production, processing and distribution, economics, marketing, farm management, logistics), Animal Science (livestock production, aquaculture, animal nutrition, meat science, veterinary science), Plant Science (horticulture, agronomy, hydroponics, aquaponics, aeroponics, landscaping, turf Management, greenhouse management, urban agriculture). Agriculture has been identified as a growing career field with many job opportunities and a shortage of qualified workers. The USDA reports that approximately 10.3% of all US jobs relate to Agriculture and 1.4% of those jobs are in farming.

This program takes place at MCC-Maple Woods with support from NCC. Students will earn the same high school credits as other NC programs, in addition to the college credit hours. English and Math credits will also be part of the course, similar to all NCC programs. NKC School District will provide transportation for their students. All other students will have to provide their own transportation. This class is only available in the AM. Students in this program will not come to NCC.

### **Areas of Study Leading to an Associates Degree**

- Agribusiness
  - Economics
  - Marketing
  - Farm Management
  - Logistics

- Animal Science
  - Livestock Production
  - Aquaculture
  - Animal Nutrition
  - Meat Science
  - Veterinary Science
- Plant Science
  - Horticulture
  - Agronomy
  - Hydroponics
  - Aquaponics
  - Aeroponics
  - Landscaping
  - Turf Management
  - Greenhouse Management
  - Urban Agriculture

## 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 of better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation.		

**Course Description:** The program provides advanced instruction on the construction of a house or building which may include areas mentioned in Construction Technology I, as well as rough framing, grading and measuring lumber, safety, and scaffolding work. Some commercial construction will be introduced including the use of metal studs and the differences in codes and building techniques. The completion of Construction Technology I & II will provide opportunities for employment in residential or commercial construction.

**Credit Type Earned:** The Missouri Graduation Requirements allow students that have attended a CTE program for two years to utilize their final year of credit as follows: 1 credit of math, 2 credits of elective.

**Optional:** Twelve (12) hours of college credit is available through Missouri Western State University after completing two years at NCC. Thirteen (13) hours of college credit by exam is available through Ranken Technical College after completing two (2) years at NCC. Advanced wage scale placement is available in the Construction Apprenticeship Program.

# Hospitality and Tourism

## Culinary Arts I



Course ID            STC100                            Credit: 3                            Grade Level: 11, 12  
Prerequisite:        Able to lift 50 pounds from the floor to a table; 9<sup>th</sup> grade math level; and access to the Internet from home.

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

**Optional:** Seven (7) hours of articulated credit is available through JCCC after completing 2 years and earning the Certified Junior Culinarian Certification. Three (3) hours of articulated credit is available through the CIA after completing 2 years. Students may earn their ServSafe Protection Certificate through the National Restaurant Association.

## Culinary Arts II



Course ID            STC101                            Credit: 3                            Grade Level: 12  
Prerequisite:        Culinary Arts I (C or better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation.

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

**Optional:** Seven (7) hours of college credit by exam is available through Johnson County Community College (JCCC) after completing two (2) years of Culinary Arts and earning the American Culinary Federation Certified Fundamentals Cook or Pastry Cook Certification. Three (3) hours of dual credit is also available through JCCC after completing 2 years of Culinary Arts. Three (3) hours of dual credit is available through the CIA after completing 2 years. Students may earn their ServSafe Protection Certificate through the National Restaurant Association.

## Health Sciences

### Health Sciences I



Course ID	STC105	Credit: 3	Grade Level: 11, 12
Prerequisite:	Student must have a Social Security number, and pass state criminal background check; must not be on the state employment disqualification list. Required to obtain a 2 step TB test on their own and provide documentation of results; hepatitis vaccination is encouraged; purchase uniform and wear scrubs daily in class and for clinicals; knowledge in basic science and positive people skills encouraged. At the end of the first semester there is a written and performance test. Due to the nature of off-site work; behavior, academics (students must have a "C" average or be recommended by the instructor to return for the second semester), and attendance policies are strictly followed. Second semester, students attending clinicals at clinical sites <u>must provide their own transportation</u> . Students desiring to earn their Certified Nursing Assistant Certification (CAN) will work/volunteer at a long-term care facility. Students that do not want to earn their CNA can still attend but at the end of the year will have to take a TSA on safety and infection control.		

*Note: This is a one or two-year program.*

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

**Health Science TSA/IRC:** Certified Nursing Assistant/CPR/First Aid, OSHA 10, Stop the Bleed

**Graduation:** Students that have met the academic and attendance requirements and earned their CNA their junior year may participate in NCC's graduation.

### Health Sciences II



Course ID	STC106	Credit: 3	Grade Level: 12
Prerequisite:	Students must have a Health Sciences I overall GPA of an 80%, average employability grade of 85% or greater, and must have earned their CNA Certification during the 1st year. Students must also meet the attendance requirements by missing 10 days or less (waived days are included) and cannot have an Out-of-School Suspension or more than 2 discipline infractions and/or 3 days of ISS. Students will participate in 6 different medical related internships throughout the year. NCC will work to provide internships related to the student's interest but cannot guarantee an exact match. <u>Students must provide their own transportation while on internship.</u>		

*Note: This course is only offered during the PM session.*

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

## Human Services

### Teaching Professions I



Course ID: STC107      Credit: 3      Grade Level: 11, 12  
Prerequisite: Must have a Social Security number; background check through Family Care Registry. In order to work off-site, it is highly recommended that students have their own transportation. Due to the nature of off-site work; behaviors, academics (students must have a "C" average or recommendation from the instructor to return at second semester), and attendance policies are strictly followed.

**Course Description:** This course offers offsite training and observation of students at licensed child care centers, preschools, and local public schools through the 8<sup>th</sup> grade. First year students will be placed at an observation site close to NCC. Students can earn 169 hours of observation time. Activities will include lesson planning and implementation coursework including: child development, Foundational Elements of Teaching, Professional Educator Responsibilities, Instructional Design & Delivery, Data Analysis, CPR & First Aid training, employability skills, assessments, and behavior management.

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

### Teaching Professions II



Course ID: STC127      Credit: 3      Grade Level: 12  
Prerequisite: Teaching Professions I (C or better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation. The same prerequisites as Teaching Professions I apply.

**Course Description:** Second year students continue to gain a greater depth of child development, Foundational Elements of Teaching, Professional Educator Responsibilities, Instructional Design & Delivery, Data Analysis, CPR & First Aid training, employability skills, 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 8<sup>th</sup> grade. 312 hours of observation time may be earned. Completion of the two (2) year program offers students the opportunity to earn their Child Development Associate Credential or their Youth Development Credential, which requires 480 observation hours. The Child Development Certification allows students to be lead teachers at the preschool level. Only students meeting competency, behavior, and attendance requirements may participate in a volunteer or paid internship.

**Optional:** Up to four (4) hours of Dual Credit is available through Missouri Western State University. Some hours may be taken as a junior.

### Teaching Professions One-Year-Certification



Course ID: STC118      Credit: 3      Grade Level: 12  
Prerequisite: Must have a Social Security number, background check through Family Care Registry. In order to work off-site, it is highly recommended that students have their own transportation. Due to the nature of off-site work; behaviors, academics (students must have a "C" average or recommendation from the instructor to return at second semester), and attendance policies are strictly followed.

**Course Description:** This course offers onsite training and the opportunity for offsite training and observation of students at licensed childcare centers, preschools, and local public schools through the 8<sup>th</sup> grade. First year seniors may earn a one-year-certificate if they meet the following qualifications:

- TP Professional Resource Collection portfolio assignments are completed for work-based experience grade level
- Work-based experience hours completed with time sheets completed and verified by cooperating teacher
- No less than 480 work-based experience hours documented
- Recommendation from cooperating teacher on file with Teaching Professions instructor
- Passing score on the Technical Skill Assessment

Acceptable site observation by third party (agency director, director from partner agency, Principal from elementary or middle school, early childhood teacher not assigned to student's observation classroom, etc.)

**Optional:** Up to four (4) hours of Dual Credit is available through Missouri Western State University.

## IT Professionals I



Course ID	STC130	Credit:	3	Grade Level:	11, 12
Prerequisite:	Keyboarding or equivalent; “minimum” academic levels in 10 <sup>th</sup> grade writing and math.				

*Note: This is a one or two-year program. There is an embedded .5 senior English credit.*

**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 PC Pro and A+ Certifications. Students will also cover networking and learn basic Cisco router and switch configurations and protocols. Students have access to work on their skills 24/7 through the TestOut website. Due to the rigorous pace and content, it is recommended that students have a strong interest and aptitude in the computer industry, have good study habits, and can work independently.

**Optional:** Six (6) hours of college dual credit is available through Metropolitan Community College.

## IT Professionals II



Course ID	STC131	Credit: 3	Grade Level: 12
Prerequisite:	Successful completion of IT Professionals I		

**Note:** The Missouri Graduation Requirements allow students that have attended a CTE program for two years to utilize their final year of credit as follows: 1 credit of math, 1 credit of technology, 1 credit of elective.

**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 Routing and Switching Certification. Students will have enough knowledge to be prepared for two-thirds of the CCNA Certification. Students that qualify, may participate in an internship at Cerner four days a week. Students have access to work on their skills 24/7 through the “TestOut” website.

**Optional:** Up to 17 hours of college dual credit is available through Metropolitan Community College – some may be taken as a junior. Twelve (12) hours of college credit is available through Missouri Western State University after completing two (2) years at NCC. Six (6) hours of college credit may be earned through State Technical College of Missouri after completing two (2) years. Twenty-nine (29) hours of college credit by exam is available through Ranken Technical College after completing two (2) years of IT Professionals.

## ***Law, Public Safety, Corrections, and Security***

## Law Enforcement/Crime Scene Investigation I



Course ID	STC109	Credit: 3	Grade Level: 11, 12
Prerequisite:	Good high school disciplinary record and an interest in science and a general understanding of Algebra/Geometry concepts. Student must have an interest in law and the social rule.		

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

## Law Enforcement/Crime Scene Investigation II



Course ID	STC110	Credit: 3	Grade Level: 12
Prerequisite:	Law Enforcement/Crime Scene Investigation I (C or better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation.		

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

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

## ***Transportation, Distribution, and Logistics***

### **Aviation Technology I**



Course ID        STC129  
Prerequisite:    Mechanical aptitude

Credit: 3

Grade Level: 11, 12

**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. Students will also study the aerodynamics and performance of flying an Unmanned Aircraft in order to earn their remote pilot certificate.

### **Aviation Technology II**



Course ID        STC132  
Prerequisite:    Aviation Technology I (C or better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation.

Credit: 3

Grade Level: 12

**Course Description:** This program prepares students for continued education towards an Associate's Degree and/or an Airframe and Powerplant Certification. Students may also enter immediate employment following their 2-year program. Internship opportunities their 2<sup>nd</sup> semester of their senior year are available for qualified candidates.

**Credit Type Earned:** The Missouri Graduation Requirements allow students that have attended a CTE program for two years to utilize their final year of credit as follows: 1 credit of science or math, 1 credit of technology, 1 credit of elective.

### **Diesel Technology – Medium/Heavy Duty Truck Systems**



Course ID        STC115  
Prerequisite:    None

Credit: 3

Grade Level: 11, 12

*Note: Class rotates AM/PM sessions each year. For the 2021-22 school year, this class is offered in the AM.*

**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. An introduction to welding and automotive air conditioning basic theory helps round out the students' knowledge.

### **Diesel Technology – Engines and Electrical/Electronic Systems**



Course ID        STC116  
Prerequisite:    None

Credit: 3

Grade Level: 11, 12

*Note: Class rotates AM/PM sessions each year. For the 2021-22 school year, this class is offered in the PM.*

**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, and identifying, assembling and reassembling component parts. Introduction to various fuel systems, cooling systems, lubricating systems, failure analysis, preventative maintenance and electrical systems are studied and related activities performed.

## **Manufacturing**

### **Heating, Cooling & Climate Control I**



Course ID            STC137                            Credit:    3                            Grade Level:    11, 12  
Prerequisite:        Recommended: Algebra I, Physics, Physical Science, and Basic Electricity

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

### **Heating, Cooling & Climate Control II**



Course ID            STC138                            Credit:    3                            Grade Level:    12  
Prerequisite:        Heating, Cooling & Climate Control I (C or better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation.

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

**Optional:** Twelve (12) hours of college credit is available through Missouri Western State University after completing two (2) years of HCCC. Advanced wage scale placement is also available in the Pipe Fitter Apprenticeship Program.

### **Industrial Welding, I**



Course ID            STC113                            Credit:    3                            Grade Level:    11  
Prerequisite:        9<sup>th</sup> grade math level; previous drafting classes desirable

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

**Optional:** 9 hours of dual credit is available through MCC. American Welding Society Level I SENSE Training Certification: GMAW and SMAW processes.



Course ID	STC114	Credit: 3	Grade Level: 12
Prerequisite:	Industrial Welding, I (C or better), good disciplinary record at NCC and home school, meet attendance requirements, and Teacher Recommendation		

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

**Optional:** Up to 18 hours of dual credit is available through MCC – some may be taken as a junior. American Welding Society Level 1 SENSE Training Certification: GMAW, SMAW, FCAW, and GTAW processes. One (1) hour of college credit by exam is available through MCC – some may be taken as a junior. Twelve (12) hours of articulated college credit is available through MWSU after 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.



Course ID	STC121	Credit: 3	Grade Level: 12
Prerequisite:	9 <sup>th</sup> grade math level; previous drafting classes desirable		

**Course Description:** Emphasis will be placed on specific welds, welding symbols, and basic metallurgy related to the needs of the industry at that time. Specific areas of study will be determined between the student and the instructor at the beginning of the school year. First year seniors may concentrate on the areas listed below:

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

**Optional:** Nine (9) hours of dual credit is available through MCC. American Welding Society Level I SENSE Training Certification: GMAW and SMAW processes. FCAW and GTAW if time allows.



Course ID	STC133	Credit:	3	Grade Level:	11, 12
Prerequisite:	None				

**Note:** This course is only offered during the PM session.

**Course Description:** This program allows students to earn dual credit towards an Associate's Degree and/or certification in a variety of areas related to the manufacturing industry (for example: CAD, CNC, HVAC, Industrial Electrical, Industrial Maintenance, Major Appliance Technology, Millwright, Welding and more). Cutting edge technology has changed the way products are manufactured in the United States and abroad. These changes have increased the need for specialized careers in the development and maintenance of the computers/machines that produce the goods we use on a daily basis. This program is located at the Northland Career Center, but students will spend one day a week at Metropolitan Community College Business & Technology Campus in order to utilize a variety of their lab space and equipment and assist students in choosing the manufacturing career that is right for them. Students will also visit industries located in the Northland as a part of career exploration.

**Optional:** Ten (10) hours of college dual credit is available through MCC.

