



Extraordinary Educational  
Experiences

---

***Career Planning & Education Guide***  
***Grades 9, 10, & 11***  
***2023-2024***

---



NORTH KANSAS CITY  
**HORNETS**

For the most updated version view: <https://bit.ly/2324NorthtownCPEG>

This page is intentionally blank

---

# *Table of Contents*

---

Message from the Superintendent .....	6
High School Individual Career and Academic Plan (ICAP) .....	7
Pathways .....	7
Diploma Options.....	7
Middle School Classes Counting for High School Credit.....	7
Diploma Credits Required .....	8
Credit Recovery & Grade Replacement.....	8
Career/College Readiness Diploma .....	9
Gold Medallion Honors Diploma .....	10
AP Capstone Diploma .....	12
International Baccalaureate Diploma Program (IBDP).....	12
International Baccalaureate Career-related Program (IBCP) .....	15
Grade Point Average (GPA) .....	17
Weighted Courses .....	17
Class Rank .....	17
Students in Academically Gifted Education (SAGE).....	18
Honors Classes/College Readiness .....	18
How Do I Decide? .....	18
North Kansas City Schools Catalyst .....	19
Advanced Placement Programs.....	19
Classes for College Credit (Dual Credit).....	20
Transferability of Credit.....	20
Project Lead the Way (PLTW).....	20
Seal of Biliteracy .....	21
Online Learning Fueled by Launch .....	21
Launch Courses.....	22
Missouri Course Access Program (MOCAP).....	22
Other Programs .....	23
English Language Learners (ELL).....	23
Programs for Students with Disabilities .....	24
Special Services Courses .....	25
Preparing for Secondary Choices .....	30
A+ Schools Program.....	30

ACT and SAT .....	31
College Admission Tests .....	31
NCAA Eligibility Center .....	32
Division I Academic Standards.....	32
Division II Academic Standards.....	33
Enrollment.....	34
Enrollment Process.....	34
Schedule Changes.....	34
Adding Classes .....	34
Dropping Classes .....	34
Counselors, Distinguished Diploma, Gifted Resource .....	35
Postsecondary Success Coordinator.....	35
College & Career Pathways .....	36
School of Human Services .....	36
School of Business, Leadership and Entrepreneurship .....	37
School of Design, Innovation and Technology .....	38
School of Health and Wellness.....	39
9 <sup>th</sup> Grade Courses .....	40
10 <sup>th</sup> Grade Courses .....	41
10 <sup>th</sup> Grade Courses (continued).....	41
11 <sup>th</sup> Grade Courses .....	43
11 <sup>th</sup> Grade Courses (continued).....	44
12 <sup>th</sup> Grade Courses .....	45
12 <sup>th</sup> Grade Courses (continued).....	46
English Language Arts.....	48
Mathematics.....	54
Science.....	59
Social Studies.....	66
Technical Core .....	72
School of Human Services .....	72
School of Business, Leadership and Entrepreneurship .....	73
School of Design, Innovation and Technology .....	74
School of Health and Wellness.....	77
Global Language .....	81
French.....	81
Spanish .....	82

Fine Arts.....	85
Art .....	85
Instrumental Music .....	87
Vocal Music.....	89
Theater .....	90
Physical Education & Health.....	93
Practical Arts – Business & Marketing.....	95
Practical Arts – Family & Consumer Science .....	100
Practical Arts – Engineering & Industrial Technology .....	104
Practical Arts - Journalism .....	107
International Baccalaureate .....	110
Core Subjects .....	110
General Electives .....	111
Metropolitan Community College Advanced Technical Skills Institute– .....	116
Early College Program .....	116
Off Campus Programs: Northland CAPS .....	118
Off Campus Programs: Class Act Coffee .....	120
Off Campus Program: Northland Career Center (NCC) .....	121
Agriculture, Food, and Natural Resources .....	121
Hospitality and Tourism.....	122
Health Sciences.....	122
Human Services .....	123
Information Technology .....	124
Law, Public Safety, Corrections, and Security .....	124
Transportation, Distribution, and Logistics .....	124
Manufacturing.....	125

---

## *Message from the Superintendent*

---

January 4, 2023

Dear Students and Families,

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

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

College & Career Pathways is celebrating its third year of implementation. Pathways enhance learning experiences by providing an industry lens to learn through while engaging in rigorous coursework. This year, ninth, tenth and eleventh grade students will enroll in a pathway based on their interest, which means the majority of our high school students will be enrolled in College & Career Pathways!

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

Let there be no missed opportunities.

Make your educational experiences extraordinary by using the *2023-24 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,



Dan Clemens, Ed.D.  
Superintendent

---

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

---

## ***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.
- **International Baccalaureate Diploma Program (IBDP)**  
Graduates receive honors and are recognized for completing rigorous international curricula designed to meet the entrance requirements of the world's best universities.
- **International Baccalaureate Career-related Program Certificate (IBCP)**  
Graduates receive honors and are recognized for completing rigorous international curricula combined with a career pathway to enter the workforce and/or to meet the entrance requirements of higher learning institutions.

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

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

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

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

## Diploma Credits Required

Paths to Graduation					
DIPLOMA OPTIONS:	Career/College Readiness	Gold Medallion	AP Capstone	IBDP	IBCP
ENGLISH LANGUAGE ARTS	4	4	4	4	4
MATHEMATICS	4	4	4	4	4
SCIENCE	3	3	3	3-4	3-4
SOCIAL STUDIES	3	4	3	3-4	3-4
FINE ARTS	1	1	1	1	1
PRACTICAL ARTS	1	1	1	1	1
PHYSICAL EDUCATION	1	1	1	1	1
HEALTH	0.5	0.5	0.5	0.5	0.5
PERSONAL FINANCE+	0.5+	0.5+	0.5+	0.5+	0.5+
ELECTIVES	8	4	6	1.5-4	1.5-4
GLOBAL LANGUAGE		2		4	2
AP SEMINAR		1	1		
AP RESEARCH			1		
THEORY OF KNOWLEDGE				1.5-2	
PERSONAL AND PROFESSIONAL SKILLS					1.5-2
CAREER RELATED STUDY					3-4
<b>TOTAL CREDITS REQUIRED</b>	<b>26</b>	<b>26</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 on-line 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 on-line 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., Honors Comp & Lit, College English, AP English Lit & Comp, AP English Lang & Comp, AP Research)
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, Military History 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 a 40 hour School to Career Internship(s) in a chosen career path.
- 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. Exhibition and required preparation semesters may not be waived.

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

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



Extraordinary Educational  
Experiences

## 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 on-line 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, or call the Executive Director of Academic Services at (816) 321-5656

## ***International Baccalaureate Diploma Program (IBDP)***

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

<b>International Baccalaureate Diploma Program (IBDP)</b>		
ENGLISH LANGUAGE ARTS (Language A)	4	NKCHS Pre-IB/Honors ELA I, II IB English A: Literature HL (two years)
GLOBAL LANGUAGE (Language B)	4	NKCHS pre-IB/Honors Language B (two years) IB Language B SL or HL (two years)
MATHEMATICS	4	NKCHS Pre-IB/Honors Geometry NKCHS Pre-IB/Honors Algebra II Pre-Calculus or IB Math: Applications and Interpretation SL-1 IB Math: Applications and Interpretation SL-2 Calculus and IB Math: Analysis and Approaches SL/HL
SCIENCE (Experimental Sciences)	3-4	NKCHS Pre-IB/Honors Biology NKCHS Pre-IB/Honors Chemistry IB Biology or Chemistry SL IB Environmental Systems and Societies SL IB Biology or Chemistry HL (two years)
SOCIAL STUDIES (Individuals & Societies)	3-4	NKCHS Pre-IB/Honors World History NKCHS Pre-IB/Honors US History II/Government IB History SL IB History HL
FINE ARTS	1	
PRACTICAL ARTS	1	
PHYSICAL EDUCATION		
HEALTH	0.5	
PERSONAL FINANCE+	0.5+	
ARTS and ELECTIVES	1.5-4	NKCHS Pre-IB/Honors Art/Design I, II NKCHS Pre-IB/Honors Theatre I, II IB Visual Arts HL (two years) IB Theatre HL (two years) IB Music SL IB Psychology SL or HL* IB Social and Cultural Anthropology SL or HL* IB Language B SL (third language) Additional IB Science
THEORY OF KNOWLEDGE	1.5-2	
<b>TOTAL CREDITS</b>	<b>26+ Credits</b>	
<b>SL = Standard Level; HL = Higher Level</b>		

\*This course can also satisfy a social studies credit

## ***Additional Requirements for International Baccalaureate Diploma Program***

### **NKCHS Pre-IB Program (9<sup>th</sup> & 10<sup>th</sup> Grades)**

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

### **IBDP Course requirements (11<sup>th</sup> & 12<sup>th</sup> Grades)**

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

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

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

Additional information is available in the IB Guide.

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

For more information and a copy of the International Baccalaureate Diploma Planning Guide, contact your student's counselor or Mitsi Nessa, IB Diploma Coordinator at (816) 321-5805

## International Baccalaureate Career-related Program (IBCP)

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

International Baccalaureate Career-related Program (IBCP)		
<b>Select One Career-related Study:</b> <b>Biomedical:</b> College Principles of Biomedical Science-PLTW, College Human Body Systems-PLTW, College Medical Interventions-PLTW, College Biomedical Innovation-PLTW <b>Computer Science:</b> College Computer Science Essentials-PLTW, AP College Computer Science Principles-PLTW, AP College Computer Science A-PLTW, College Cybersecurity-PLTW <b>Culinary Arts:</b> Foods for Life, ProStart Foods Level I, ProStart Foods Level II, FACS Internship <b>Engineering:</b> College Intro to Engineering Design-PLTW, College Principles of Engineering-PLTW, College Digital Electronics-PLTW or College Civil Engineering and Architecture-PLTW, and College Engineering Design and Development-PLTW <b>Teaching:</b> Child Development I – Child Development II – College Introduction to Teaching – FACS Internship <b>Communications/Journalism:</b> 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, Communications Capstone		
Courses in <b>BOLD</b> Indicate Diploma Program Courses (at least 3 required)		
ENGLISH LANGUAGE ARTS Language A (Pre-IB options)	4	NKCHS Pre-IB ELA I/II; <b>IB Language A: Literature HL</b> (two years) or <b>IB Language A: Language and Literature HL</b> (two years)
MATHEMATICS *	4	Algebra I; NKCHS Pre-IB/Honors Geometry or Geometry; NKCHS Pre-IB/Honors Algebra II/Trigonometry or Algebra II/Trigonometry; One credit of additional advanced math: Precalculus, <b>IB Math: Application and Interpretations SL</b> , Calculus, <b>IB Math: Analysis and Approaches SL/HL</b>
SCIENCE (Experimental Sciences)	3-4	NKCHS Pre-IB Biology, NKCHS Pre-IB Chemistry, Physics, Chemistry; <b>IB Biology</b> or <b>IB Chemistry</b> or <b>IB Environmental Systems &amp; Societies SL</b> ; <b>IB Biology</b> or <b>IB Chemistry HL</b> (two years)
SOCIAL STUDIES (Individual & Societies)	3-4	NKCHS Pre-IB World History I, US History II/Govt or World History I, US History; AP Government; One elective: AP Psychology, AP United States History, AP World History: Modern AP Human Geography, Psychology, Sociology, or Military History; <b>IB History SL/HL</b> (one or two years), <b>IB Psychology SL/HL</b> (one or two years), <b>IB Social and Cultural Anthropology SL/HL</b> (one or two years)
FINE ARTS	1	
PRACTICAL ARTS	1	
PHYSICAL EDUCATION	1	
HEALTH	0.5+	
PERSONAL FINANCE+	0.5+	
ARTS and ELECTIVES	.5-4	ELA, Global Language, Social Studies, Science, Math, Fine Arts, Practical Arts; NKCHS Pre-IB Art/Design I, II or Theatre Arts I, II; <b>IB Art Design HL</b> , <b>IB Theatre Arts HL</b> , <b>IB Music SL</b> , <b>IB Psychology SL or HL</b> , <b>IB Social and Cultural Anthropology SL</b> , <b>IB Language B SL</b> (third language), <b>IB Biology</b> , <b>Chemistry</b> , (second experimental science) <b>SL or HL</b>
GLOBAL LANGUAGE or Language B (language acquisition)	2	NKCHS Pre-IB/Language B or language level I, II, III (three years); <b>IB Language B SL or HL</b> (two years)
PERSONAL AND PROFESSIONAL SKILLS	1.5-2	
CAREER RELATED STUDY	3-4	See Career-related Studies above
<b>TOTAL CREDITS</b>	<b>26+ Credits</b>	
SL = Standard Level; HL = Higher Level		
*Algebra I, Geometry, and Global Language I, taken in middle school may count as additional units of credit for students pursuing the International Baccalaureate Career.		

## ***Additional Requirements for International Baccalaureate Career Related Program***

### ***NKCHS Pre-IB Program (9<sup>th</sup> & 10<sup>th</sup> Grade)***

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

### ***IBCP Course Requirements (11<sup>th</sup> & 12<sup>th</sup> Grades)***

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

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

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

Additional information is available in the IB Guide.

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

For more information and a copy of the International Baccalaureate Planning Guide, contact your student's counselor or Dr. Chad Lower, IB Career-related Coordinator at (816) 321-5586.

## ***Grade Point Average (GPA)***

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

*4.0 grade points for an A*

*3.0 grade points for a B*

*2.0 grade points for a C*

*1.0 grade point for a D*

*0.0 grade point for an F*

In an effort to encourage and recognize students who accept the challenges of academic rigor and demonstrate high performance, all students who complete the components of the Gold Medallion Honors Diploma 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 2023 (Class of 2023) with current grade level 11 is reclassified to 12<sup>th</sup> grade and graduates May 2022, they will be EXCLUDED from the class rank of the cohort 2022 (Class of 2022).

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 the Executive Director of Career and College Readiness at (816) 321-5656.*

## ***Honors Classes/College Readiness***

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

Honors courses comprise one component of earning honors recognition in high school. Students who meet the requirements of the Gold Medallion Honors Diploma, 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 at [David.Persley@nkcschools.org](mailto:David.Persley@nkcschools.org) or 816.550.3883.

## 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 have a written policy describing limits on dual credit courses.
- Students need to check with the colleges/universities they plan to attend for additional specific information.

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

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

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

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


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

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

## ***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.

## ***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 (1.0)

### **Electives**

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

### **English Language Arts**

Contemporary Lit (1.0)  
Creative Writing I (.5)  
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)

### **Fine Arts**

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

### **Health and Physical Education**

Health (.5)  
Lifetime Fitness (.5)  
Physical Education I (.5)  
Physical Fitness (.5)

### **Practical Arts**

Human Development I (1.0)  
Computer Applications (.5)  
Digital Communications (.5)  
Economics (.5)  
FACS Internship (.5)  
Financial Accounting (1.0)  
Intro. To Computer Science (.5)  
Personal Finance (.5)  
Web Design (.5)  
Intro to Business (1.0)  
Hospitality & Tourism Management (1.0)

### **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 (1.0)  
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)  
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.

---

## Other Programs

---

### ***English Language Learners (ELL)***

At the high school level, courses are offered which correspond to students' levels of English language proficiency. Course placement is determined by the outcome of a federally mandated *language assessment (the WIDE 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 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 Coordinator, at 816-321-5859.*

---

# *Programs for Students with Disabilities*

---

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

## **Special Education Transition Planning**

Transition planning is an ongoing process – not a single event – that builds on itself each year. Transition planning is the basis for IEP development for all students served in special education in high school or who will turn 16 during the year that the current IEP is in effect. Transition planning involves the student, along with the parents and IEP team, working to develop plans for the future based upon age-appropriate transition assessment. This assessment provides the foundation for transition planning and IEP development. Students' needs, preferences, and interests are investigated to determine appropriate, measurable goals for after graduation from high school, as well as services needed during high school, to assist the student to attain these post-school outcomes. Post-secondary goals evolve and change as the student gets older and gains new insights; therefore, the IEP will reflect these changes over time. Based upon the results of transition assessment, post-secondary goals are developed in the areas of education/training, employment, and independent living. In addition, needed transition services are addressed that will facilitate the attainment of the post-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)**9<sup>th</sup> Grade***Intro to HS Math\****10<sup>th</sup> Grade***HS Pre-Algebra\****11<sup>th</sup> Grade*****Algebra I\*\******12<sup>th</sup> Grade***Geometry\*\***Algebra II\*\*\***Geometry\*\***Intro to HS Math\*****Algebra I\*\*****Geometry\*\***\* 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 activities to develop greater sense of independence and daily living skills to enhance the quality of life while transitioning from school to adult life. Community-based activities include accessing community resources, using public transportation, managing money, planning nutritious meals, shopping, cooking, cleaning and home-maintenance, bill paying, and working collaboratively. In order to provide the student with ample opportunity to practice skills in real-world environments, North Kansas City Schools provides a home in the community, the PRIDE House (Promoting Responsible Individuals through Daily living and Employment). This program is designed to provide instruction in functional and daily living skills through hands-on learning activities to help students acquire skills to live in the world today. ***May be repeated for credit.***

## Access Transitions

Course ID	SPS216	Credit: 1
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 B = SPS136 C = SPS137 D = SPS147	Credit: 1
Prerequisite:	Enrollment based upon IEP team decision	

Grade Level: 9, 10, 11, 12

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

## Work Experience I

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

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

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

## Work Experience II

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

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

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

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

## Work-Study

Course ID	SPS304	Credit: .5 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:** 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.***

## **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 program.</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 Truman Medical Center.		

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

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



Extraordinary Educational  
Experiences

---

# Preparing for Secondary Choices

---

## A+ Schools Program

### Student Eligibility

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

- Completed and signed an A+ Schools Program Agreement and turned it into the A+ office.
- Attended an A+ designated school at least three 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 subscore 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	Kevin Kooi	(816) 321-5709
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, SAT I, and SAT II tests are administered on a limited number of national test dates during the year. The deadline to register for one of these tests is approximately one month prior to the test date. Enroll using the following websites: [www.ACTstudent.org](http://www.ACTstudent.org) or [www.collegeboard.com](http://www.collegeboard.com).

## ***College Admission Tests***

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

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

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

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

# NCAA Eligibility Center

## Division I Academic Standards

### DIVISION I ACADEMIC STANDARDS

Division I schools require college-bound student-athletes to meet academic standards for NCAA-approved core courses, core-course GPA and test scores. To be eligible to practice, compete and receive an athletics scholarship in your first full-time year at a Division I school, you must graduate from high school and meet *all* of the following requirements:

1. Complete a total of 16 core courses in the following areas:



2. Complete 10 of your 16 core courses, including seven in English, math or natural/physical science, before the start of your seventh semester. Once you begin your seventh semester, any course that is needed to meet the 10/7 requirement cannot be replaced or repeated.



3. Complete the 16 NCAA-approved core courses 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.
4. Earn an SAT combined score or ACT sum score that matches your core-course GPA (minimum 2.300) on the Division I full-qualifier sliding scale.

How to plan your high school courses to meet the 16 core-course requirement: **4 X 4 = 16**

9 <sup>TH</sup> GRADE	10 <sup>TH</sup> GRADE	11 <sup>TH</sup> GRADE	12 <sup>TH</sup> GRADE
(1) English (1) Math (1) Science (1) Social Science and/or additional	(1) English (1) Math (1) Science (1) Social Science and/or additional	(1) English (1) Math (1) Science (1) Social Science and/or additional	(1) English (1) Math (1) Science (1) Social Science and/or additional
<b>4 CORE COURSES</b>	<b>4 CORE COURSES</b>	<b>4 CORE COURSES</b>	<b>4 CORE COURSES</b>

## DIVISION II ACADEMIC STANDARDS

Division II schools require college-bound student-athletes to meet academic standards for NCAA-approved core courses, core-course GPA and test scores.

To be eligible to practice, compete and receive an athletics scholarship in your first full-time year at a Division II school, you must graduate from high school and meet *all* of the following requirements:



1. Complete 16 core courses in the following areas:



2. Earn an SAT combined score or ACT sum score that matches your core-course GPA (minimum 2.200) on the Division II full-qualifier sliding scale



Extraordinary Educational  
Experiences

---

# Enrollment

---

## Enrollment Process

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

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, Distinguished Diploma, Gifted Resource and Postsecondary Success Coordinator*

High School Counselor Assignments			
Counselors/Registrars	Phone	Responsibility	Email
Amanda Olvera, Chair	816-321-4782	Human Services Pathway	<a href="mailto:amanda.olvera@nkcschools.org">amanda.olvera@nkcschools.org</a>
Shelli Copas	816-321-6887	Health & Wellness Pathway	<a href="mailto:shelli.copas@nkcschools.org">shelli.copas@nkcschools.org</a>
Maria Deister	816-321-4461	DIT Pathway	<a href="mailto:maria.deister@nkcschools.org">maria.deister@nkcschools.org</a>
Michelle Washington	816-321-5791	BLE Pathway	<a href="mailto:michelle.washington@nkcschools.org">michelle.washington@nkcschools.org</a>
Tara Hamilton	816-321-4974	Assistant	<a href="mailto:tara.hamilton@nkcschools.org">tara.hamilton@nkcschools.org</a>
Tabatha Wano	816-321-6365	Registrar	<a href="mailto:tabatha.wano@nkcschools.org">tabatha.wano@nkcschools.org</a>
Dr. Jaime McSparin	816-321-6301	College & Career Facilitator	<a href="mailto:jamie.mcsparin@nkcschools.org">jamie.mcsparin@nkcschools.org</a>
Madelynn Zimmermann	816-321-6100	College Advisor	<a href="mailto:madelynn.Zimmermann@nkcschools.org">madelynn.Zimmermann@nkcschools.org</a>

Distinguished Diploma			
Resource Coordinator	Phone	Responsibility	Email
Mrs. Mitsi Nessa	816-321-805	IB Diploma Programme Coordinator	<a href="mailto:mitsi.nessa@nkcschools.org">mitsi.nessa@nkcschools.org</a>
Dr. Chad Lower	816-321-586	IB Career-related Programme Coordinator	<a href="mailto:chad.lower@nkcschools.org">chad.lower@nkcschools.org</a>
Ms. Cymantha Beason	816-321-508	IB Programme Administrative Assistant	<a href="mailto:cymantha.beason@nkcschools.org">cymantha.beason@nkcschools.org</a>

Gifted Resource & Postsecondary Success Coordinator			
Resource Coordinator	Phone	Responsibility	Email
Mr. Marcus Myers	816-321-5794	Gifted Specialist	<a href="mailto:marcus.myers@nkcschools.org">marcus.myers@nkcschools.org</a>
Mr. David Persley	816-550-3883	Catalyst	<a href="mailto:david.persley@nkcschools.org">david.persley@nkcschools.org</a>

# College & Career Pathways

## School of Human Services



NORTH KANSAS CITY HIGH SCHOOL

## College & Career Pathways

All incoming 9th graders at Northtown will participate in one of four “schools within a school” based on their area of interest:

- School of Human Services
- School of Business, Leadership and Entrepreneurship
- School of Design, Innovation and Technology
- School of Health and Wellness

Within each school, students explore a focus area of study, or “pathway,” designed to provide students with a four-year course of study to prepare them to a future college major and/or rewarding career post-graduation.

## School of Human Services

### RELATED INDUSTRY CAREERS:

Teacher, Police Officer,  
Psychologist, Social Worker,  
Attorney, Public Administration,  
Environmental Scientist

Students in the School of Human Services are empathetic problem solvers that collaborate and build the skillset needed to educate effectively for the betterment of humanity.

**Public Service Pathway** – step into the fascinating world of communication and interaction as you learn how we think, act and live through the study of concepts such as social and cultural anthropology.

**Environmental Science and Sustainability Pathway** – understand the importance of advocating for a healthy and sustainable community as you study renewable energy, geography and more.

	9 <sup>th</sup> Grade Courses	10 <sup>th</sup> Grade Courses	11 <sup>th</sup> Grade Courses	12 <sup>th</sup> Grade Courses
<b>Technical Core:</b> Public Service Pathway	Intro to Human and Public Services	Interpersonal Communication	AP Psychology Psychology IB Social and Cultural Anthropology (SL-1, HL-1) ++	Human Services Capstone IB Social and Cultural Anthropology (SL-2, HL-2) ++
<b>Technical Core:</b> Environmental Science and Sustainability Pathway	Intro to Human and Public Services	Advocacy in the Community & Sustainability	AP Psychology Psychology IB Environmental Systems and Societies(SL-1) ++	Human Services Capstone IB Environmental Systems and Societies (SL-2) ++
ELA	ELA I *	ELA II *	College English ++ IB English A (HL-1) ++	College English ++ IB English A (HL-1) ++
Math	Algebra I *	Geometry *	Algebra II IB Math (SL-1) ++	College Algebra ++ IB Math: (SL-2/HL-2) ++ IB Math (SL-2) ++
Science	Biology *	Chemistry *	Environmental Science IB Biology(SL-1, HL-1) ++ IB Chemistry (SL-1, HL-1) ++	IB Biology (SL-2, HL-2) ++ IB Chemistry (SL-2, HL-2) ++
Social Studies	World History * AP Human Geography ++	US History *	AP/College Government* ++ IB History (SL-1, HL-1)* ++	IB History (SL-2, HL-2) ++ IB Psychology (SL-2, HL-2) ++

Replacement and Advanced courses are available for students. Courses listed are the required minimum.

\* indicates required course

++ indicates college level courses

## School of Business, Leadership and Entrepreneurship

### School of **Business, Leadership and Entrepreneurship**

#### RELATED INDUSTRY CAREERS:

Entrepreneur, Sales Manager, Marketing Specialist, Financial Advisor, Accountant, Small Business Owner

Students in the School of Business, Leadership and Entrepreneurship gain marketable skills through relevant, authentic projects that are based on the 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.

**Marketing and Communications Pathway** – master the basics of marketing and operations and gain exposure to opportunities in the world of communications and business.

**Management and Finance Pathway** – learn how to create and use budgets, how to interpret financial data and make sound business decisions to create a financially healthy business.

	9 <sup>th</sup> Grade Courses	10 <sup>th</sup> Grade Courses	11 <sup>th</sup> Grade Courses	12 <sup>th</sup> Grade Courses
<b>Technical Core:</b> Marketing and Communications Pathway	Foundations of Business	Marketing Principles	Advanced Marketing Sports Marketing IB Business Management (SL-1, HL-1)++	Business, Leadership, and Entrepreneurship Capstone IB Business Management (SL-2, HL-2)++
<b>Technical Core:</b> Management and Finance Pathway	Foundations of Business	Accounting I	Business Communications IB Business Management (SL-1, HL-1)++	Business, Leadership, and Entrepreneurship Capstone IB Business Management (SL-2, HL-2)++
ELA	ELA I *	ELA II *	College English ++ IB English A: (HL-1)++	College English* ++ IB English A: (HL-2)++
Math	Algebra I *	Geometry *	Algebra II IB Math (SL-1)++	IB Math (SL-2/HL-2)++ IB Math (SL-2)++
Science	Biology *	Chemistry *	Environmental Science IB Biology (SL-1, HL-1)++ IB Chemistry (SL-1, HL-1)++	IB Biology (SL-2) ++ IB Chemistry(SL-2, HL-2) ++
Social Studies	World History *	US History *	AP/College Government*++ IB History (SL-1, HL-1)++	IB History (SL-2, HL-2)++ IB Psychology (SL-2, HL-2)++

Replacement and Advanced courses are available for students. Courses listed are the required minimum.

\* indicates required course

++ indicates college level courses

## School of Design, Innovation and Technology

### School of Design, Innovation and Technology

#### RELATED INDUSTRY CAREERS:

Engineer (Mechanical, Electrical, Civil), Electrician, Plumber, Construction Project Manager, Graphic Designer

In collaboration with local and global organizations, businesses, parents, and teachers, students in the School of Design, Innovation and Technology use problem solving skills and creativity to innovate products that elevate our community and create real world solutions.

**Technology Pathway** – prepare for a future in the digital frontier as you learn the fundamentals of software, hardware, and how to apply emerging practices to solve real-world data security problems.

**Construction & Engineering Pathway** – begin the blueprint to your future career as you apply scientific, mathematical, and management principles to the planning, design and building of facilities and structures.

**Creative Design Pathway** – unleash your individual creativity and expression as you learn how to engage in the creative process as you invent, solve and reimagine the visuals of our future.

	9 <sup>th</sup> Grade Courses	10 <sup>th</sup> Grade Courses	11 <sup>th</sup> Grade Courses	12 <sup>th</sup> Grade Courses
<b>Technical Core: Technology Pathway</b>	College Computer Science Essentials – PLTW ++	AP College Computer Science Principles – PLTW ++	College Cyber Security-PLTW++ IB Design Technology (HL-1) (other options available)	College Computer Science A-PLTW ++ IB Design Technology (HL-2) (Other options available)
<b>Technical Core: Construction and Engineering Pathway</b>	College Introduction to Engineering Design – PLTW ++	College Principles of Engineering – PLTW ++	College Civil Engineering and Architecture – PLTW ++ IB Design Technology (HL-1) (other options available)	College Engineering and Design – PLTW ++ IB Design Technology (HL-1) (other options available)
<b>Technical Core: Creative Design Pathway</b>	Creative Design I	Creative Design II	Creative Design III IB Visual Arts (SL-1, HL-2) ++	IB Visual Arts (SL-2, HL-2)++
ELA	ELA I *	ELA II *	College English ++ IB English A++	College English* ++ IB English A++
Math	Algebra I *	Geometry *	Algebra II College Algebra++	IB Math (SL-2/HL-2) ++ IB Math (SL-2) ++
Science	Biology *	Chemistry *	Human Anatomy & Physiology IB Biology (SL-1, HL-1) ++ IB Chemistry (SL-1, HL-1) ++	IB Biology (SL-2, HL-2)++ IB Chemistry (SL-2, HL-2) ++
Social Studies	World History *	US History *	AP/College Government* ++ IB History (SL-1, HL-1)* ++	IB History(SL-2, HL-2) ++ IB Psychology(SL-2, HL-2) ++

Replacement and Advanced courses are available for students. Courses listed are the required minimum.

\* indicates required course

++ indicates college level courses

# School of Health and Wellness

## School of Health and Wellness

**RELATED INDUSTRY CAREERS:**  
Registered Nurse, Physician & Surgeon, Licensed Practical & Vocational Nurse, Pharmacist, Physical Therapist, Veterinarian

The School of Health and Wellness provides students with the academic foundation and technical background to prepare them to contribute to the physical, mental and emotional health of our communities at the local and global levels.

**Health Services Pathway** – experience all aspects of overseeing healthcare facilities and the services they provide as you prepare to improve the lives of patients in your community.

**Wellness Pathway** – learn how to help patients live longer, healthier and happier lives as you study best practices for wellness, fitness, nutrition and overall healthy living.

	9 <sup>th</sup> Grade Courses	10 <sup>th</sup> Grade Courses	11 <sup>th</sup> Grade Courses	12 <sup>th</sup> Grade Courses
<b>Technical Core: Health</b>	College Principles of Biomedical Science – PLTW ++	College Human Body Systems – PLTW ++	College Medical Interventions – PLTW ++ IB Sports Exercise and Health Science- (SL-1, HL-1) ++	College Biomedical - Innovations – PLTW ++ IB Sports Exercise and Health Science (SL-2, HL-2) ++
<b>Technical Core: Wellness</b>	College Principles of Biomedical Science - PLTW ++	Therapy Studies and Brain Development	College Medical Interventions - PLTW ++ IB Sports Exercise and Health Science- (SL-1, HL-1) ++	College Biomedical Innovations – PLTW ++ IB Sports Exercise and Health Science (SL-2, HL-2) ++
ELA	ELA I *	ELA II *	Honors Comp and Lit IB Lang & Lit (HL-1) ++ AP Lang	College English* ++ IB Lang & Lit (HL-2) ++ AP Lit
Math	Algebra I *	Geometry *	Algebra II IB Math ++	IB Math (SL-2/HL-2) ++ IB Math (SL-2) ++
Science	Biology *	Chemistry *	IB Biology (SL-1, HL-1) ++ Anatomy & Physiology	IB Chemistry (SL-2, HL-2) ++
Social Studies	World History * AP Human Geography ++	US History *	AP College US Government *++ IB History (SL-1, HL-1)*++	-IB History(SL-2, HL-2)++ -IB Psychology (SL-2, HL-2)++

Replacement and Advanced courses are available for students. Courses listed are the required minimum.

\* indicates required course


++ indicates college level courses

---

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

---




## English Language Arts

English Language Arts I   
NKCHS Pre-IB/Honors English  
Language Arts I

## English Language Arts Electives

Debate I  
Journalism 1  
Speech Communication

## Mathematics

Algebra I   
Algebra II   
Geometry   
Pre IB/Honors Algebra II  
Pre-IB/Honors Geometry

## Science

NKCHS Pre-IB/Honors Biology  
College Principles of Biomedical  
Science - PLTW

## Social Studies

NKCHS Pre-IB/Honors World  
History  
AP Human Geography

## Technical Core

### School of Human Services

Introduction to Human and  
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 **(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  
Child Development II  
Child Development Learning Center I  
Journalism 1  
Journalism 1 Broadcast  
Journalism 1 Photography  
Home Maintenance & Repair  
Woodworking I  
College Intro to Engineering Design -  
PLTW

---

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

---






## English Language Arts

English Language Arts II   
NKCHS Pre-IB/Honors English  
Language Arts II


## English Language Arts Electives

Advanced Debate  
Debate I  
Journalism I  
Literacy Methods  
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  
College PreCalculus  
Geometry   
Pre IB/Honors Algebra II  
Pre IB/Honors Geometry  
Honors PreCalculus  
Statistics  
Transition to College Algebra

## Science

Chemistry   
Honors Chemistry  
Coll Human Body Systems-PLTW  
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 Human Services

Interpersonal Communication  
Advocacy in the Community &  
Sustainability

### School of BLE

Marketing Principles  
Accounting I

### School of DIT

AP College Computer Science  
Principles - PLTW  
College Principles of Engineering -  
PLTW




Creative Design II

### School of Health & Wellness


College Human Body Systems -  
PLTW

Therapy Studies & Brain  
Development

## Global Language

French I   
French II   
College French III  
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  
Jazz Band



## Fine Arts (con't)

Symphonic Orchestra  
A Cappella Choir  
Bass Choir  
Chamber/Show/Jazz Choir  
Mixed Choir  
Treble Choir  
Varsity Treble Choir  
Advanced Competitive Drama  
Competitive Drama  
Theater I  
Theater II





## Physical Education

Adaptive Physical Education  
Aerobics  
Health (**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  
Business Management  
Marketing Principles  
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

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

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

Child Development I  
Child Development II  
Child Development Learning Center I  
Child Development Learning Center II  
College Intro to Teaching  
Self-Development I  
Self-Development II  
Journalism 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

### **Northland Career Center**

*(off campus)*

Agricultural Sciences – Plant Systems  
Agricultural Sciences – Animal 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.*

---

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

---

## English Language Arts

American Lit & Comp  
AP English Lang & Comp  
AP English Lit & Comp   
British Lit & Comp  
College English  
Honors Comp & Lit  
Multicultural Lit & Comp  
IB English A: Language & Literature HL  
IB English A: Literature HL

## English Language Arts Electives

Advanced Debate  
AP Research  
College Fundamentals of Effective Speaking  
& Listening  
Creative Writing   
Debate I  
Fundamentals of Effective Speaking &  
Listening  
Journalism 1  
Literacy Methods  
Mythology & Classical Lit & Comp  
Short Story  
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  
Calculus I  
Calculus II  
Geometry   
Pre-IB/Honors Algebra II  
Pre-IB/Honors Geometry  
Honors PreCalculus  
IB Math: Applications and Interpretation SL-1  
IB: Math: Applications and interpretation SL-2  
Statistics  
Transition to College Algebra  
IB Math Analysis & Approaches SL/HL

## Science

Chemistry   
Physics  
Human Anatomy & Physiology  
AP Physics 1   
AP Physics 2  
IB-Chemistry-SL

## Science (con't)

IB Chemistry SL  
IB Chemistry HL-1  
IB Chemistry HL-2  
College Chemistry/Honors  
Chemistry II  
AP Chemistry  
IB Biology SL  
IB Biology HL-1  
IB Biology HL-2  
AP Biology  
College Biology  
College Human Body Systems -  
PLTW  
College Principles of Biomedical  
Science-PLTW  
College Medical Interventions PLTW  
IB Environmental Systems  
& Societies  
Environmental Science  
IB Sports Exercise & Health Science SL

## Social Studies

College US Government  
AP Government Politics US   
AP Comparative Gov't & Politics  
IB History SL  
IB History HL  
AP United States History   
College US History  
AP World History: Modern  
College World History  
IB Psychology SL  
Psychology  
AP Psychology   
IB Social & Cultural Anthropology SL  
IB Social & Cultural Anthropology HL  
Sociology  
Military History  
AP Human Geography

## Technical Core

### School of Human Services

Psychology  
AP Psychology++  
IB Social & Cultural Anthropology -  
(SL-1, HL-1)  
IB Environmental Systems & Societies  
(SL-1)++  
School of BLE  
Marketing Advanced  
Sports Marketing

## Technical Core (con't)

### School of BLE (con't)

IB Business Management  
(SL-1, HL-1)++  
Business Communications  
School of DIT  
College Cyber Security-PLTW++  
IB Design Technology (HL-1)  
College Civil Engineering &  
Architecture- PLTW++  
Creative Design II  
IB Visual Arts (SL-1, HL-2)++  
School of Health & Wellness  
College Medical Interventions-PLTW  
IB Sports Exercise and Health  
Science- (SL-1, HL-1)++

## Global Language

French I   
French II   
College French III  
College French IV  
Pre-IB/Honors French III  
IB French SL  
IB French HL  
Spanish I   
Spanish II   
Pre-IB/Honors Spanish I  
Pre-IB/Honors Spanish II  
College Spanish III  
Pre-IB/Honors Spanish III  
College Spanish IV

## 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  
IB Visual Arts SL/HL  
Visual Art Photography  
AP Music Theory  
Chamber Orchestra  
Concert Band  
Jazz Band  
Music Appreciation  
Music Theory   
IB Music SL  
AP Music Theory

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

### Fine Arts (con't)

Symphonic Band  
Symphonic Orchestra  
Mixed Choir  
Bass Choir  
Treble Choir  
Varsity Treble Choir  
A Cappella Choir  
Chamber/Show/Jazz Choir  
Pre-IB/Honors Theatre I  
Pre-IB/Honors Theatre II  
IB Theatre HL  
Theater III  
College Theater: Foundations of Fine Arts  
Competitive Drama  
Advanced Competitive Drama  
Theater Special Projects

### Physical Education

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

### Practical Arts

Accounting I 🏠  
Accounting II  
Business Law  
Business Management  
IB Business Management SL  
AP College Computer Science A-PLTW  
AP College Computer Science  
Principles-PLTW  
College Computer Science Essentials-PLTW  
Computer Applications  
Computer Programming Capstone  
College Marketing  
Entrepreneurship

### Practical Arts (con't)

Marketing Advanced  
Marketing Internship *(off campus)*  
Marketing Principles  
Sports Marketing I  
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 II  
Child Development Learning Center I  
Child Development Learning Center II  
College Intro to Teaching  
FACS Internship *(off campus)* 🏠  
Interpersonal Relationships  
Self-Development I  
Self-Development II  
Journalism 1  
Journalism 1 Photography  
Journalism 1 Broadcast  
Journalism 2 Magazine Across Platforms  
Journalism 2 Yearbook  
Journalism 2 Broadcast  
Journalism 2 Sports Broadcasting  
Journalism 3 Digital Laboratory  
Communication 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  
IB Design Technology SL

### CTEC *(off campus)*

Automotive Technology I  
Technical English Language Arts  
Technical Mathematics

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

College Building Maintenance and Construction (KCCCA)

### MCC -Advanced Technical Skills Institute *(Off campus)- (con't)*

College Engineering Technology I  
College Heating, Ventilation & Air-Conditioning I  
College Welding

### 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

### 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  
Construction Technology I

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

---

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

---

### English Language Arts

American Lit & Comp  
AP English Lang & Comp  
AP English Lit & Comp   
British Lit & Comp  
College English  
IB English A: Language & Literature HL  
IB English A: Literature HL  
Honors Comp & Lit  
Multicultural Lit & Comp

### English Language Arts Electives

Advanced Debate  
AP Research  
Argumentation & Debate III/IV  
College Argumentation & Debate III/IV  
College Fundamentals of Effective Speaking & Listening  
Creative Writing   
Debate I  
Fundamentals of Effective Speaking & Listening  
Journalism 1  
Literacy Methods  
Mythology & Classical Lit & Comp  
Short Story  
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  
Calculus I  
Calculus II  
Geometry   
Honors Algebra II  
Honors Geometry  
Honors PreCalculus  
IB Math Analysis & Approaches SL-1  
IB Math Analysis & Approaches SL-2  
Statistics  
Transition to College Algebra

### Social Studies (con't)

College US History  
College World History  
AP World History: Modern  
College US Government  
Military History  
Psychology  
Sociology

### Science

IP Biology SL  
IP Biology HL-1  
IP Biology HL-2  
AP Biology  
AP Chemistry  
AP Physics 1   
AP Physics 2  
Chemistry   
Pre-IB/Honors Chemistry  
IB Chemistry HL-1  
IB Chemistry HL-2  
College Biology  
College Biomedical Innovations-PLTW  
College Chemistry/Honors Chem II  
College Human Body Systems-PLTW  
College Medical Interventions-PLTW  
College Physics  
College Principles of Biomedical Science-PLTW  
Environmental Science  
Exercise Science  
IB Sports Exercise & Health Science SL  
Honors Chemistry  
Human Anatomy & Physiology  
Physics

### Global Language

French I   
French II   
College French III  
College French IV  
College French V  
Spanish I  
Spanish II   
College Spanish III  
College Spanish IV  
College Spanish V

### Physical Education (con't)

Health (**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 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

## Social Studies

AP Comparative Gov't & Politics  
AP Government Politics US   
AP Human Geography  
AP Psychology   
AP US History 

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

### General Electives (con't)

Stagecraft  
Peer Mentor  
Personal Finance (MO Grad Req)

### Practical Arts

Accounting I   
Accounting II  
Business Law  
Business Management  
IB Business Management SL  
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  
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 Dev.  
Apparel Construction  
Fashion Product Development  
Fashion/Interior Design & Merch.  
Child Development I  
Child Development II  
Child Development Learning Center I  
Child Development Learning Center II  
College Intro to Teaching  
FACS Internship (off campus)   
Interpersonal Relationships  
Self-Development I  
Self-Development II  
Journalism 1  
Journalism 1 Broadcast

Spanish for Heritage Speakers I  
Spanish for Heritage Speakers II

### Physical Education

Adaptive Physical Education  
Aerobics

### Practical Arts (con't)

Journalism 2 Magazine Across  
Platforms  
Journalism 2 Yearbook  
Journalism 2 Sports Broadcasting  
Journalism 3 Digital Laboratory  
Communication 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  
IB Design Technology SL

### 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)

Agricultural Sciences-Plant Systems  
Agricultural Sciences-Animal Systems  
Aviation Technology I  
Aviation Technology II  
Construction Technology I  
Construction Technology II  
Culinary Arts I  
Culinary Arts II  
Diesel Technology – Med/Heavy Duty

AP Seminar  
College Intro to Teaching  
Leadership  
Marching Auxiliary  
Leadership for School Climate  
& Culture

### Northland Career Center (Off campus, con't)

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

### 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)

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

# English Language Arts

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

<b>9<sup>th</sup> Grade</b>	<b>10<sup>th</sup> Grade</b>	<b>11<sup>th</sup> Grade</b>	<b>12<sup>th</sup> Grade</b>
ELA I Pre-IB/Honors ELA I	ELA II Pre-IB/Honors ELA II	AP Language & Composition AP Literature & Composition American Literature & Composition British Literature & Composition Honors Literature & Composition College English	AP Language & Composition AP Literature & Composition College English Honors Literature & Comp AP Research Mythology & Classical Lit/Comp

## **Gold Medallion Diploma** (4 units required)

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

## **International Baccalaureate Diploma** (4 units required)

<b>9<sup>th</sup> Grade</b>	<b>10<sup>th</sup> Grade</b>	<b>11<sup>th</sup> Grade</b>	<b>12<sup>th</sup> Grade</b>
Pre-IB/Honors ELA I	Pre-IB/Honors ELA II	IB Literature HL 1 IB Language & Literature HL 1	IB Literature HL 2 IB Language & Literature HL 2



Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

## **English Language Arts I**



Course ID: ELA100

Credit: 1

Grade Level: 9

Prerequisite: None

**Course Description:** This course emphasizes reading, writing, speaking, listening, technology, and research skills. Reading informational text/nonfiction includes multicultural literature selections including short stories, plays, novels, poetry, and biographies. Course content would include literary analysis, writing compositions (include argumentative, expository/informative, and narrative), and research essays. ***This course will have an industry emphasis dependent upon the student's pathway selection.***

## **NKCHS Pre-IB/Honors English Language Arts I**



Course ID: ELA107  
Prerequisite: None

Credit: 1

Grade Level: 9

**Course Description:** NKCHS Pre-IB/Honors ELA I is the first preparatory step for students wanting to enter the Language A portion of the International Baccalaureate Diploma or Career-related Programmes. This freshman level course is designed to elevate the quality of expository, analytical, and critical writing generated by students. Students will recognize and use effectively the elements of writing; research; literature; speaking and listening; and vocabulary. Genres studied include short story, poetry, novel, and drama, as well as the epic, The Odyssey. In addition, this course will help prepare students for Advanced Placement or College English courses. ***This course will have an industry emphasis dependent upon the student's pathway selection***

## **English Language Arts II**



Course ID: ELA200  
Prerequisite: English Language Arts I

Credit: 1

Grade Level: 10

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

## **NKCHS Pre-IB/Honors English Language Arts II**



Course ID: ELA204  
Prerequisite: English Language Arts I or Honors English Language Arts I

Credit: 1

Grade Level: 10

**Course Description:** NKCHS Pre-IB/Honors ELA II is the second and final preparatory step before students enter the Language A facet of the International Baccalaureate Diploma or Career-related Programmes. This class hones the skills of literary analysis through both written and oral commentary. Genres studied include short story, poetry, novel, and drama.

NKCHS Pre-IB/Honors ELA II is the second and final preparatory step before students enter the Language A facet of the International Baccalaureate Diploma or Career-related Programmes. This class hones the skills of literary analysis through both written and oral commentary. Genres studied include short story, poetry, novel, and drama. In addition, this course will help prepare students for Advanced Placement or College English courses.

## **Journalism 1**

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

Credit: 1

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

**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.***

## **Literacy Methods**

Course ID: ELA210  
Prerequisite: None

Credit: 1

Grade Level: 10, 11, 12

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

## **Speech Communication**

Course ID: SPT205  
Prerequisite: None

Credit: .5

Grade Level: 9, 10, 11, 12

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

## **IB English A: Language and Literature HL**



Course ID: ELA313Y

Credit: .5

Grade Level: 11, 12

Prerequisite: NKCHS Pre-IB/Honors English Language Arts I & II

**Course Description:** IB English A: Language and Literature-HL is a two-year junior/senior course emphasizing the analysis of language and analysis of literature. The course aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices. The course also encourages students to question the meaning generated by language and texts. An understanding of the ways in which formal elements are used to create meaning in a text is combined with an exploration of how that meaning is affected by reading practices that are culturally defined and by the circumstances of production and reception. The study of literature in translation from other cultures is especially important to IB students because it contributes to a global perspective. Texts are chosen from a variety of sources, genres and media. IB Career-related Programme students must take this course or English A: Literature

## **IB English A: Literature HL**



Course ID: ELA315Y Credit: .5 Grade Level: 11, 12

Prerequisite: NKCHS Pre-IB/Honors English Language Arts I & II

**Course Description:** English A: Literature-HL is a two-year junior/senior course emphasizing the study of written language and literary analysis. Students will perform both written and oral assessments (internally graded by the teacher and externally graded by an IB examiner). Students will analyze, synthesize, and evaluate drama, poetry, novels, and other prose in British, American, and World literature. The course will also emphasize thematic and philosophical connections as well as differences in literary periods, styles, and contexts. IB Career-related Programme students must take this course or English A: Language and Literature.

## **American Literature & Composition**

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

Prerequisite: English Language Arts II

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

## **British Literature & Composition**

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

Prerequisite: English Language Arts II

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

## **Multicultural Literature & Composition**

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

Prerequisite: English Language Arts II

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

## **College English**



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

Prerequisite: English Language Arts II

**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.



Grade Level: 11, 12

Grade Level: 11, 12

Grade Level: 11, 12



Grade Level: 11, 12



Grade Level: 11, 12

NKCHS 2023-24 CPEG Grades 9-11

## AP English Literature & Composition



Course ID            ELA303                            Credit:    1                            Grade Level:    11, 12  
Prerequisite:        English Language Arts II

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

## Fundamentals of Effective Speaking & Listening

Course ID            SPT306                            Credit:    .5                            Grade Level:    11, 12  
Prerequisite:        None

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

## College Fundamentals of Effective Speaking & Listening



Course ID            SPT304                            Credit:    .5                            Grade Level:    11, 12  
Prerequisite:        None

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

## AP Research



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

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

# Mathematics

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

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

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

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

## **International Baccalaureate Diploma** (4 units required)

<b>9<sup>th</sup> Grade</b>	<b>10<sup>th</sup> Grade</b>	<b>11<sup>th</sup> Grade</b>	<b>12<sup>th</sup> Grade</b>
Algebra I*	Pre-IB/Honors Algebra II	IB Math App/Interp SL 1	IB Math App/Interp SL 2
Pre-IB/Honors Geometry	Pre-IB/Honors Algebra II Honors Pre-Calculus	IB Math App/Interp SL 1	IB Math App/Interp SL 2
Pre-IB/Honors Algebra II	Honors Pre-Calculus	IB Math App/Interp SL 2	
Pre-IB/Honors Algebra II	Honors Pre-Calculus	College Calculus I/II	Math Analysis/Approaches HL 2 Math Analysis/Approaches SL 2



available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

## Algebra 1



Course ID: MTH100      Credit: 1      Grade Level: 9, 10, 11, 12  
Prerequisite: None

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

## Geometry



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

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

## NKCHS Pre-IB/Honors Geometry



Course ID: BLE604Y      Credit: 1      Grade Level: 9, 10, 11, 12  
Prerequisite: Algebra I

**Course Description:** NKCHS Pre-IB/Honors Geometry is an accelerated study of plane and solid geometric figures with emphasis on plane figures. The course stresses knowledge and application of geometry as a logical system, with definitions, postulates, and theorems, especially using analysis and deductive reasoning. Lessons include work in ratio and proportion, Pythagorean theorem, areas, special triangles, volumes, and other metric work. Application is an important part of this course. A scientific calculator, geometric compass and protractor are suggested. This course is designed for students with advanced abilities who are pursuing the International Baccalaureate Diploma or the Gold Medallion Honors Diploma. For any student pursuing the International Baccalaureate Diploma, this course should be completed before the 10th grade year.

## Algebra II



Course ID: MTH300      Credit: 1      Grade Level: 9, 10, 11, 12  
Prerequisite: Geometry

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

## **NKCHS Pre-IB/Honors Algebra II**



Course ID: MTH308Y Credit: 1 Grade Level: 9, 10  
Prerequisite: Algebra I, Middle School or NKCHS Pre-IB/Honors Geometry (previously or concurrently)

**Course Description:** NKCHS Pre-IB/Honors Algebra II is an accelerated study that extends beginning algebraic concepts. Properties of second-degree (quadratic polynomials) functions are developed. Sample topics studied include sets, sequences, linear equations, polynomials, factoring, rational numbers, relations, and functions, irrational numbers, and quadratics. This course is designed for highly motivated students interested in further study in mathematics, engineering, physical science, and other technical fields. A scientific calculator is recommended. Students enrolling in this course should be pursuing the International Baccalaureate Diploma or the Gold Medallion Honors Diploma. For any student pursuing the International Baccalaureate Diploma, this course should be completed before the 11th grade year.

## **Transition to College Algebra**

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

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

## **College Algebra**



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

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

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

## **Honors Pre-Calculus**



Course ID: MTH511Y Credit: 1 Grade Level: 10, 11, 12  
Prerequisite: NKCHS Pre-IB/Honors Algebra II

**Please Note:** Students who have completed both Algebra and Geometry in Middle School and who have taken NKCHS Pre-IB/Honors Algebra II as a freshman and who have the consent of the teacher may enroll in Honors Pre-Calculus as a sophomore

**Course Description:** Honors Pre-Calculus prepares students for International Baccalaureate exams as well as college-level courses in calculus, linear algebra, finite mathematical structures, and probability and statistics. The course is geared to students interested in mathematics, physics, chemistry, engineering, and other related technical fields. The design of the course provides students with a study of the theory and application of trigonometry, analytic geometry, exponential and logarithmic functions, sequences and series, and some concepts from calculus. Students enrolling in this course should be pursuing the International Baccalaureate Diploma or the Gold Medallion Honors Diploma.

## **IB Math: Applications and Interpretation SL-1**



Course ID                      MTH315Y                      Credit: 1  
Prerequisite:                NKCHS Pre-IB/Honors Algebra II

Grade Level: 10, 11, 12

**Course Description:** IB Math: Applications and Interpretation 1 (or Honors Pre-Calculus) is the first year of preparation for the International Baccalaureate Math: Applications and Interpretation exam as well as college-level courses in college algebra and statistics. The course is geared to students interested in non-mathematics-based college degree programs that do not require Calculus. The design of the course provides students with a study of fundamental algebra, basic trigonometry, statistics & probability, and functions.

## **IB Math: Applications and Interpretation SL-2**



Course ID                      MTH316Y                      Credit: 1  
Prerequisite:                IB Pre-Calculus or IB Math: Applications and Interpretation 1

Grade Level: 11, 12

**Course Description:** IB Math: Applications and Interpretation 2 is designed to prepare students for the International Baccalaureate Math: Applications and Interpretation Standard Level exam and to complete the mathematics portfolio requirements for IB. Topics of study include number and algebra, functions, geometry and trigonometry, statistics and probability, and calculus.

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



Course ID                      MTH503Y or MTH505Y                      Credit: 1  
Prerequisite:                College PreCalculus

Grade Level: 10, 11, 12

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

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



Course ID                      MTH504Y or  
MTH510Y                      Credit: 1  
Prerequisite:                College Calculus I/AP Calculus A/B

Grade Level: 10, 11, 12

*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.

## **Calculus I**



Course ID                      MTH503A                      Credit: 1  
Prerequisite:                IB Pre-Calculus

Grade Level: 11, 12

**Course Description:** Calculus I is a semester course that is an introduction to single variable calculus. Topics include limits and continuity, differentiation of elementary functions, curve sketching, extreme values, rates of change, areas, definite integrals, sequence and series, approximations, techniques of integration, numerical methods, plane curves, introduction to differential equations, and fundamental theorem of calculus. A graphing calculator (TIN spire) with calculus functions including differentiation and integration is recommended. This course is required for students who will take the IB Math SL or HL Analysis and Approaches exam. This course may also be taken for dual credit through Rockhurst University

## Calculus II



Course ID MTH504B Credit: 1 Grade Level: 11, 12  
Prerequisite: IB Pre-Calculus

**Course Description:** Calculus II is a semester course that is a continuation of the study of Calculus. Topics in this course include integration techniques and applications to area and volume, solving differential equations, and evaluating infinite series. A graphing calculator (TINspire) with calculus functions including differentiation and integration is recommended. This course is required for students who will take the IB Math SL or HL Analysis and Approaches exam.

## IB Math Analysis and Approaches SL/HL



Course ID MTH317Y Credit: 1 Grade Level: 11, 12  
MTH319Y  
Prerequisite: IB Calculus I, IB Calculus II

**Course Description:** IB Math Analysis SL/HL is a final-year course designed to prepare students for the International Baccalaureate Mathematics: Analysis and Approaches exams (both SL and HL) and to complete the mathematics portfolio requirements for IB. Higher Level requires a two- year study, with IB Calculus I & II, being the first year. Topics of study include fundamental algebra, functions, trigonometry, vector geometry, matrices & transformations, statistics & probability, and calculus.

## Statistics

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

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

## AP Statistics



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

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

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



Extraordinary Educational  
Experiences

# 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 Biology	Honors Chemistry Chemistry Human Anatomy & Physiology	Physics AP Biology College Biology College Chemistry/Honors College Physics* AP Physics 1* Human Anatomy & Physiology** Environmental Science	College Chemistry/Honors Chemistry II AP Chemistry College Physics AP Physics 2 Human Anatomy & Physiology Environmental Science

\*\* May be enrolled concurrently with Honors Biology

## 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

## International Baccalaureate Diploma (4 units required)

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Pre-IB/Honors Biology	Pre-IB/Honors Chemistry	IB Biology SL IB Biology HL 1 IB Chemistry SL IB Chemistry HL 1 IB Environmental Sys & Soc. SL IB Sports, Exercise & Health Sci SL	IB Biology HL 2 IB Chemistry HL 2



Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

## NKCHS Pre-IB/Honors Biology



Course ID: SCI316

Credit: 1

Grade Level: 9

Prerequisite: None

**Course Description:** NKCHS Pre-IB/Honors Biology is a one-year course designed to prepare students for the IB/AP curriculum. Focus will be on learning to use the scientific method, write lab reports, develop study skills, organize information, analyze and answer data-based questions, higher-level thinking multiple choice questions, and well-developed essays. Core topics include biochemistry, cell biology and microscopy, cell energetics, mitosis, meiosis, genetics, ecology, evolution, microbiology, photosynthesis and cellular respiration. The course is hands-on lab intensive in both experimental design and prescribed labs. Students will be immersed in the research of science and application.

## 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.***

### **NKCHS Pre-IB/Honors Chemistry**



Course ID	SCI205Y	Credit: 1	Grade Level: 10
Prerequisite:	Algebra I, NKCHS Pre-IB/Honors Biology		

**Course Description:** NKCHS Pre-IB/Honors Chemistry is a one-year course that builds the foundation for IB/AP Chemistry. Chemistry is taught with an emphasis on higher-order thinking and application of major chemical principles. Topics include the nature of matter, atomic structure and theory, periodic table, bonding, chemical reactions, stoichiometry, solutions, thermodynamics, equilibrium, and acids and bases. Students will write and complete 10-15 labs that reinforce the topics discussed in class. A strong background in mathematics is encouraged before taking this course.

### **Physics**

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

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

### **Human Anatomy & Physiology**

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

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

### **AP Physics 1**



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

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

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





Grade Level: 11, 12

**Course Description:** The importance of the theoretical aspects of chemistry has brought about an increasing emphasis on these aspects of the content of general chemistry courses. Topics such as the structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, and the basic concepts of thermodynamics are now being presented in considerable depth. Laboratory work is a major emphasis in this class.



Grade Level: 11, 12

**Course Description:** The topics include: thermodynamics, reaction rates, equilibrium, electrochemistry, organic chemistry, and advanced laboratory techniques. Lab work is a major emphasis of the course.

## WC

Grade Level: 11, 12

**Course Description:** IB Biology HL-1 is the first year of a two-year lab intensive course that is designed to prepare students for the Higher Level International Baccalaureate exam. The first year of HL biology will cover the CORE of the IB biology curriculum guide. It includes all of the standard topics: biochemistry, cells, genetics, evolution, ecology and human anatomy and physiology. Internal Assessment will comprise 40 hours, including Laboratory Investigations (20 hours), an individual research project on some topic of personal interest (10 hours) and the Group 4 Project (10 hours). This course is limited to students pursuing the International Baccalaureate Diploma.



Grade Level: 11

**Course Description:** IB Biology HL-1 is the first year of a two-year lab intensive course that is designed to prepare students for the Higher Level International Baccalaureate exam. The first year of HL biology will cover the CORE of the IB biology curriculum guide. It includes all of the standard topics: biochemistry, cells, genetics, evolution, ecology and human anatomy and physiology. Internal Assessment will comprise 40 hours, including Laboratory Investigations (20 hours), an individual research project on some topic of personal interest (10 hours) and the Group 4 Project (10 hours). This course is limited to students pursuing the International Baccalaureate Diploma.

## **IB Biology HL-2**



Course ID        SCI501Y  
Prerequisite:    IB Biology HL-1

Credit: 1

Grade Level: 12

**Course Description:** IB Biology HL-2 is the second year of a two-year course designed to prepare students for the Higher Level International Baccalaureate exam. This advance Biology course will give students an in-depth view of the living world through learning the advanced high-level information from the IB curriculum. Course topics include more focused study of nucleic acids and proteins, plant science, advanced genetics, and advanced human health and physiology. Internal assessment will include Laboratory Investigations (20 hours). This course is limited to students pursuing the International Baccalaureate Diploma.

## **College Biology**



Course ID        SCI500  
Prerequisite:    Biology and Chemistry

Credit: 1

Grade Level: 11, 12

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

## **AP Biology**



Course ID        SCI303  
Prerequisite:    Biology and Chemistry

Credit: 1

Grade Level: 11, 12

**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  
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 Principles of Biomedical Science – PLTW**



Course ID: SCI103  
Prerequisite: None

Credit: 1

Grade Level: 9, 10, 11, 12

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

**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  
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.

## **IB Environmental Systems and Societies SL**



Course ID: SCI505Y  
Prerequisite: NKCHS Pre-IB/Honors Biology, NKCHS Pre-IB/Honors Chemistry

Credit: 1

Grade Level: 11, 12

**Course Description:** Environmental Systems and Societies uses a holistic approach to investigate how the world works. The approach to the course examines commonalities to many disciplines (ecology, economics, geography, and politics) in areas such as matter, energy, and information flow. This integrated approach allows for the examination of how the interactions between environmental systems and societies provide for sustainability. Topics such as the ecosystem, human populations, conservation, pollution management, and global warming are discussed with both local and global foci.

## **Environmental Science**

Course ID: SCI311Y  
Prerequisite: Biology and Chemistry

Credit: 1

Grade Level: 11, 12

**Course Description:** 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.

## **IB Sports, Exercise and Health Science SL**



Course ID                      SCI430Y                      Credit:    1                      Grade Level:    11, 12  
Prerequisite:                NKCHS Pre-IB/Honors Biology, NKCHS Pre-IB/Honors Chemistry

**Course Description:** IB Sports, Exercise, and Health Science SL is a one-year experimental science that combines aspects of biology and physics in the context of sport, exercise and health. With a focus on anatomy and physiology, energy and movement, as well as sports skill and performance, psychology and/or nutrition, this course prepares students for further study in sports fitness and health. Laboratory experimentation is extensive and requires a significant time commitment by the student. The student must be highly self-motivated and possess higher-order thinking skills. This course prepares students to take the International Baccalaureate Standard Level exam.



Extraordinary Educational  
Experiences

# 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

## International Baccalaureate Diploma (4 units required)

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Pre-IB/Honors World Hist AP Human Geography	Pre-IB/Honors US Hist/Gov't	IB History SL IB History HL 1 IB Psychology SL IB Psychology HL 1 IB Social and Cult. Anthropology SL IB Social and Cult. Anthropology HL 1	IB History HL 2  IB Psychology HL 2  IB Social and Cult. Anthropology HL 2



Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

## NKCHS Pre-IB/Honors World History



Course ID: SST106  
Prerequisite: None

Credit: 1

Grade Level: 9

**Course Description:** NKCHS Pre-IB/Honors World History prepares students for the study of IB History by providing students with an important foundation in western culture. Because of the necessity for practice in detailed study, students will focus mostly on the development of western civilization. Students will learn to study independently, do research, take notes, make generalizations, and draw conclusions about history. Success in this course requires strong self-motivation.

## 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.*

## **NKCHS Pre-IB/Honors U.S. History II Government**



Course ID            SST106Y                            Credit: 1                            Grade Level: 10  
Prerequisite:        NKCHS Pre-IB/Honors World History

**Course Description:** NKCHS Pre-IB/Honors U.S. History II/Government is designed for students seeking the International Baccalaureate Diploma. The first semester begins with a unit on American Government, including the development of the U.S. Constitution. The remainder of the year addresses United States history from the Reconstruction Era to the Civil Rights Movement with a reinforcement of the principles of government. This course is especially reading and writing intensive.

## **College US Government**



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

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

## **AP Government Politics US**



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

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

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

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

## **AP Comparative Government & Politics**



Course ID            SST319                            Credit: 1                            Grade Level: 11, 12  
Prerequisite:        None

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

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

## **IB History SL**



Course ID            SST309Y                            Credit: 1                            Grade Level: 11, 12  
Prerequisite:        NKCHS Pre-IB/Honors World History, NKCHS Pre-IB/Honors U.S. History II/Government

**Course Description:** This is a one-year course to prepare students to test at the standard level in IB History at the end of the year. The course will study authoritarian states (such as the Stalin's Soviet Union, Hitler's Germany, Mussolini's Italy, Mao's China, and Hirohito's Japan) along with the twentieth century wars within their rules. Students will also complete an internal assessment for the IB during this class

## **IB History HL**



Course ID            SST307Y                            Credit: 1                            Grade Level: 11, 12  
Prerequisite:        NKCHS Pre-IB/Honors World History, NKCHS Pre-IB/Honors U.S. History II/Government

**Course Description:** IB History HL is a two-year, junior/senior course designed to prepare students for the Higher Level (HL) International Baccalaureate exam by further developing their source evaluation and historical essay writing skills. During the junior year, the course will study authoritarian states (such as the Stalin's Soviet Union, Hitler's Germany, Mussolini's Italy, Mao's China, and Hirohito's Japan) along with the twentieth century wars within their rules. The senior year will focus on the history of the Middle East, analyzing the Ottoman Empire's fall and the causes and effects of the Arab-Israeli Conflict. Students will also complete an internal assessment research paper over an historical topic of their choice.

## **AP United States History**



Course ID            SST312                            Credit: 1                            Grade Level: 10, 11, 12  
Prerequisite:        10<sup>TH</sup> graders may appeal to be enrolled

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

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

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

## **College United States History**



Course ID            SST304                            Credit: 1                            Grade Level: 10, 11, 12  
Prerequisite:        10<sup>TH</sup> graders may appeal to be enrolled

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

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

## AP World History: Modern



Course ID        SST108  
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.

## IB Psychology SL



Course ID        SST310Y  
Prerequisite:    None

Credit:    1

Grade Level:   11, 12

**Course Description:** IB Psychology SL is a one-year course that prepares students for the Standard Level International Baccalaureate exam or to continue to IB Psychology HL in their senior year. Focus will be on three traditional psychological perspectives, the biological, the cognitive, and the sociocultural perspectives. In addition, students will study one optional area of psychology chosen by the teacher. All students will complete and report on a partial replication of an experiment of their choice. Throughout the course students will focus on the development and cultural contexts, the framework, the methodologies, and the application of psychology.

## 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.

## IB Psychology HL



Course ID        SST500Y  
Prerequisite:    IB Psychology SL

Credit:    1

Grade Level:    12

**Course Description:** IB Psychology HL is a one-year course that builds on material learned in SL psychology and prepares students for the Higher Level (HL) International Baccalaureate exam. The course begins with an extensive review of how to conduct experiments, which is followed by students conducting their own simple experiments. Then, the focus will be on qualitative research methodology where students will engage in the different qualitative research techniques. After qualitative research methods are studied and practiced the course focuses on Developmental Psychology. And finally, the course ends with an intensive review. Throughout the course, students will focus on the development and cultural contexts, the framework, the methodologies, and the application of psychology.

## IB Social and Cultural Anthropology SL



Course ID        SST315Y  
Prerequisite:    None

Credit:    1

Grade Level:    11, 12

**Course Description:** IB Social and Cultural Anthropology SL, the comparative study of culture and human societies, is a one-year course that prepares students for the Standard Level International Baccalaureate exam. Utilizing local and global perspectives, the course is concerned with urban as well as rural society, regional inequalities and all aspects of modern nation states. Anthropology contributes to an understanding of such contemporary issues as war and conflict, the environment, poverty, problems of injustice, inequality and human rights. Students are expected to read and think critically to be able to analyze specific anthropological themes. Class discussions are an integral part of the course, encouraging differing viewpoints. Students will also complete an internal assessment

## IB Social and Cultural Anthropology HL



Course ID        SST320Y  
Prerequisite:    None

Credit:    1

Grade Level:    11, 12

**Course Description:** IB Social and Cultural Anthropology HL, the comparative study of culture and human societies, is a two-year course that prepares students for the Higher Level (HL) International Baccalaureate exam. HL-SCA focuses on theoretical perspectives of anthropology and the application of those theories. Utilizing local and global perspectives, the course is concerned with urban as well as rural society, regional inequalities and all aspects of modern nation states. Anthropology contributes to an understanding of such contemporary issues as war and conflict, the environment, poverty, problems of injustice, inequality and human rights. As a higher level course, students will build on their critical thinking and analytical skills through field study. Class discussions are an essential part of the course, encouraging differing viewpoints. Students will also complete an internal assessment.

## **Sociology**



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

Prerequisite:                None

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

## **Military History**

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

Prerequisite:                None

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

## **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.



Extraordinary Educational  
Experiences

---

# Technical Core

---

## *School of Human Services*

---

### **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.

### **Advocacy in the Community and Sustainability**

Course ID: PAH103Y                      Credit: 1                      Grade Level: 10  
Prerequisite: None

**Course Description:** This course gives students an opportunity to explore various topics including those related to poverty, inequality, global warming, climate change, environmental degradation, peace, and justice. Students will partner with community-based organizations, researching solutions to critical environmental and social challenges, learning more about clean energy, green initiatives, and helping communities to develop an awareness of conservation and sustainable resource initiatives. Students will learn the importance of partnering with organizations committed to social justice with special attention given to the importance of advocacy to impact positive change globally. Students choose the type of advocacy work they want to do, and this course will help them prepare for it. Ultimately, students will learn how to get involved with different community groups and affect change positively.

### **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.





## **Marketing Advanced**



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

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

## **Sports Marketing I**

Course ID            BMK317                            Credit:    .5 or 1                            Grade Level:    10, 11, 12  
Prerequisite:        Marketing Principles or Portfolio Submission

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

## **IB Business Management SL**



Course ID            BMK407Y                            Credit:    1                            Grade Level:    11, 12  
Prerequisite:        9th & 10<sup>th</sup> Grade BLE Tech Core Courses

**Course Description:** The business management course is designed to develop students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students learn to analyze, discuss, and evaluate business activities at local, national, and international levels. The course covers the key characteristics of business organization and environment and the business functions of human resource management, finance and accounts, marketing, and operations management. Links between the topics are central to the course. Through the exploration of six underpinning concepts (change, culture, ethics, globalization, innovation, and strategy), the course allows students to develop a holistic understanding of today's complex and dynamic business environment. The conceptual learning is firmly anchored in business management theories, tools and techniques and placed in the context of real-world examples and case studies. The course encourages the appreciation of ethical concerns at both a local and global level. It aims to develop relevant transferable skills, including the ability to: think critically; make ethically sound and well-informed decisions; appreciate the pace, nature, and significance of change; think strategically; and undertake long term planning, analysis, and evaluation. The course also develops subject-specific skill, such as financial analysis.

## School of Design, Innovation and Technology

### Creative Design I

Course ID: DIT100Y  
Prerequisite: None

Credit: 1

Grade Level: 9

**Course Description:** A yearlong Technical Core-Creative Design strand for beginning students in the Design, Innovation and Technology Pathway. It is a blend of existing Art I, Visual Arts Photography, and Graphic Design courses. Students in this pathway need both traditional and digital art making skills, computer and software skills using innovative tools. This jump starts students' technology and communication skills, which are essential to real-world experiences. By blending these foundational objectives, students are prepared to advance their skills leading to independent client/community projects and college credit through AP Art & Design with completion of this pathway.

### College Computer Science Essentials - PLTW



Course ID: BMK116  
Prerequisite: None

Credit: 1

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)*

**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: Computer Science Essentials

Credit: 1

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 Introduction to Engineering Design – PLTW



Course ID: IND102  
Prerequisite: None

Credit: 1

Grade Level: 9, 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 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.

## **Creative Design II**

Course ID            DIT103Y  
Prerequisite:        Creative Design I

Credit:    1

Grade Level:    10

**Course Description:** This course will explore new and further develop art medias and techniques introduced in Creative Design I. Industry based products created will include traditional, digital, and design art making techniques applied to real world client-based projects preparing students for the workforce. Concepts, design principles and techniques fundamental to all aspects of the visual arts will be emphasized through problem-based learning. Technology is infused in all aspects of art making including computers, imaging and animation software, digital drawing tablets, cameras, studio equipment, and printing capabilities. Project work will also include exploration of traditional methods, drawing, painting, sculpture, and art history to create artworks for a portfolio.

## **Creative Design III**

Course ID            DIT108Y  
Prerequisite:        Creative Design II

Credit:    1

Grade Level:    11

**Course Description:** A yearlong Technical Core-Creative Design strand for 3rd year students in the Design, Innovation and Technology Pathway. Course work will expand and further develop student's skillsets from CD1 & 2 and explore new art medias and software programs with a focus on animation and moving graphics. Industry based products created will include traditional, digital, and design art making techniques applied to real world client-based projects preparing students for the workforce. Concepts, design principles and techniques fundamental to all aspects of the visual arts will be emphasized through problem-based learning. Technology is infused in all aspects of art making including computers, imaging and animation software, digital drawing tablets, cameras, studio equipment, and printing capabilities. Project work will also include exploration of traditional methods, drawing, painting, sculpture, and art history to create artworks for a portfolio. This class is a prerequisite for AP Art & Design.

## **College Cyber Security – PLTW**



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

Credit:    1

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.

## **IB Design Technology SL**



Course ID           ART514Y                           Credit: 1                           Grade Level: 11,12  
Prerequisite:       9<sup>th</sup> & 10<sup>th</sup> Grade PLTW Engineering, 9<sup>th</sup> & 10<sup>th</sup> Grade Computer Science, or  
Creative Design I/II

**Course Description:** DP design technology aims to develop internationally minded people whose enhanced understanding of design and the technological world can facilitate our shared guardianship of the planet and create a better world. It focuses on analysis, design development, synthesis, and evaluation. The creative tension between theory and practice is what characterizes design technology within the DP sciences subject group. Inquiry and problem-solving are at the heart of the subject. DP design technology requires the use of the DP design cycle as a tool, which provides the methodology used to structure the inquiry and analysis of problems, the development of feasible solutions, and the testing and evaluation of the solution. In design technology, a solution can be defined as a model, prototype, product, or system that students have developed independently. Design technology achieves a high level of design literacy by enabling students to develop critical-thinking and design skills, which they can apply in a practical context. While designing may take various forms, it will involve the selective application of knowledge within an ethical framework.

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



Course ID           IND200                           Credit: 1                           Grade Level: 10, 11, 12  
Prerequisite:       None

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

**Course Description:** 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.

## **IB Visual Arts SL/HL**



Course ID           ART513Y (SL)                           Credit: 1                           Grade Level: 11, 12  
                          ART312Y (HL)  
Prerequisite:       NKCHS Pre-IB/Honors Art/Design II, Teacher Approval

**Course Description:** IB Art Design HL/SL is a two-year, accelerated course that requires students to complete 240 hours for HL and 150 hours for SL. The course is designed for students specializing in the visual arts with creative and imaginative abilities and who may pursue the visual arts at a college or university. Course syllabus will provide requirements. Students prepare for the International Baccalaureate Higher and Standard Level exams. While in class the IB HL and SL students will discover and explore the Visual Arts in Context (artists and why they make art), Visual Arts Methods (ways of making art) and Communicating Visual Arts (ways of presenting art). Students are expected to create a digital Process Portfolio, digital Comparative Study and series of artwork based around a particular theme of choice. HL and SL "screen" requirements vary depending on the portfolio.

## School of Health and Wellness

### College Principles of Biomedical Science – PLTW



Course ID: SCI103  
Prerequisite: None

Credit: 1

Grade Level: 9, 10, 11, 12

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

**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.

### Therapy Studies & Brain Development

Course ID: HAW101Y  
Prerequisite: None

Credit: 1

Grade Level: 10

**Course Description:** This course will focus on different types of therapies and brain development of infants through senior citizens. Students will learn that lifelong health is determined by more than just our genes. Our experiences at sensitive periods of development change the brain in ways that increase or decrease risk for later physical and mental illness and our overall well-being.

### 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.

## **IB Sports, Exercise and Health Science SL**



Course ID                      SCI430Y                      Credit:    1                      Grade Level:    11, 12  
Prerequisite:                NKCHS Pre-IB/Honors Biology, NKCHS Pre-IB/Honors Chemistry

**Course Description:** IB Sports, Exercise, and Health Science SL is a one-year experimental science that combines aspects of biology and physics in the context of sport, exercise and health. With a focus on anatomy and physiology, energy and movement, as well as sports skill and performance, psychology and/or nutrition, this course prepares students for further study in sports fitness and health. Laboratory experimentation is extensive and requires a significant time commitment by the student. The student must be highly self-motivated and possess higher-order thinking skills. This course prepares students to take the International Baccalaureate Standard Level exam.



Extraordinary Educational  
Experiences



## **NKCHS Pre-IB/Honors French III**



Course ID: MDL309Y      Credit: 1      Grade Level: 10, 11  
Prerequisite: NKCHS Pre-IB/Honors French II

**Course Description:** NKCHS Pre-IB/Honors French III is designed with more intensive coverage of the level III curriculum. The pace of this course is accelerated and is intended for students pursuing either the International Baccalaureate Diploma or the Gold Medallion Honors Diploma. Five years of the language is strongly recommended for those pursuing the IB Diploma Program

## **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.

## **IB French SL**



Course ID: MDL303Y      Credit: 1      Grade Level: 10,11, 12  
Prerequisite: NKCHS Pre-IB/Honors French III

**Course Description:** IB French SL is a two-year course that prepares students for the Standard Level International Baccalaureate exam. The emphasis of this course is communication. Students will continue to use the grammatical structures from the previous levels of study and perfect written and oral communication skills. Students sitting for the SL exam must have studied the language for at least four years. Five years of the language is strongly recommended.

## **IB French HL**



MDL108Y      MDL514Y      Credit: 1      Grade Level: 11, 12  
Prerequisite: NKCHS Pre-IB/Honors French III, and MUST have teacher approval

**Course Description:** IB French HL is a two-year course that prepares students for the Higher Level (HL) International Baccalaureate exam. The emphasis of this course is communication. Students will continue to use the grammatical structures from the previous four levels of study and perfect written and oral communication skills. Students sitting for the HL exam must have studied the language for five years.

## ***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.

## **NKCHS Pre-IB/Honors Spanish I**



Course ID: MDL108Y  
Prerequisite: None

Credit: 1

Grade Level: 9

**Course Description:** NKCHS Pre-IB/Honors Spanish I is designed to prepare students to use fundamental language in personal, practical, and culturally authentic everyday situations in oral and written form. Five years of the language is strongly recommended for those pursuing the IB Diploma Program

## **Spanish II**



Course ID: MDL202  
Prerequisite: Spanish I

Credit: 1

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

*\* 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.

## **NKCHS Pre-IB/Honors Spanish II**



Course ID: MDL208Y  
Prerequisite: Middle School Spanish I or NKCHS Pre-IB/Honors Spanish I

Credit: 1

Grade Level: 9, 10

**Course Description:** NKCHS Pre-IB/Honors Spanish II is designed for students to continue to expand their mastery of fundamental language usage in personal, practical, and culturally authentic everyday situations. Five years of the language is strongly recommended for those pursuing the IB Diploma Program.

## **College Spanish III**



Course ID: MDL302  
Prerequisite: Spanish II

Credit: 1

Grade Level: 10, 11, 12

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

## **NKCHS Pre-IB/Honors Spanish III**



Course ID: MDL311Y  
Prerequisite: NKCHS Pre-IB/Honors Spanish II

Credit: 1

Grade Level: 10, 11,

**Course Description:** NKCHS Pre-IB/Honors Spanish III is designed with more intensive coverage of the level III curriculum. The pace of this course is accelerated and is intended for students pursuing the International Baccalaureate Diploma. Five years of the language is strongly recommended for those pursuing the IB Diploma Program.

## **College Spanish IV**



Course ID: MDL505  
Prerequisite: College Spanish III

Credit: 1

Grade Level: 11, 12

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

## **IB Spanish SL**



Course ID: MDL305Y      Credit: 1      Grade Level: 11, 12  
Prerequisite: NKCHS Pre-IB/Honors Spanish III

**Course Description:** IB Spanish SL is a two-year course that prepares students for the Standard Level International Baccalaureate exam. The emphasis of this course is communication. Students will continue to use the grammatical structures from the previous levels of study and perfect written and oral communication skills. Students sitting for the SL exam must have studied the language for at least four years. Five years of the language is **strongly** recommended.

## **IB Spanish HL**



Course ID: MDL515Y      Credit: 1      Grade Level: 11, 12  
Prerequisite: NKCHS Pre-IB/Honors Spanish III, and **MUST** have teacher approval

**Course Description:** IB Spanish HL is a two-year course that prepares students for the Higher Level (HL) International Baccalaureate exam. The emphasis of this course is communication. Students will continue to use the grammatical structures from the previous levels of study and perfect written and oral communication skills. Students sitting for the HL exam must have studied the language for five years.

## **Spanish for Heritage Speakers I**

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

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

## **Spanish for Heritage Speakers II**

Course ID: MDL522Y      Credit: 1      Grade Level: 10, 11, 12  
Prerequisite: Spanish for Heritage Speakers I

**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.



Extraordinary Educational  
Experiences

---

# Fine Arts

---



Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



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.

### NKCHS Pre-IB/Honors Art/Design I



Course ID: ART103Y

Credit: 1

Grade Level: 9

Prerequisite: None

**Course Description:** NKCHS Pre-IB/Honors Art/Design I is an accelerated one-year, introductory course designed to evaluate abilities of students in technical skills, work ethic, self-motivation, and literacy in art. This course prepares freshmen for Standard Level and Higher Level IB courses. Learners will be trained in a more group-structured curriculum with an emphasis on visual awareness and perception skills through observation drawing. Basic principles and elements of design will be reviewed. Various dry media will be explored creating an acquisition of techniques to integrate into studio projects. Students will begin to explore and research artists and art history periods. A portfolio of work and research workbooks to document progress will be required. Students enrolling in this course should have a strong interest in art and should be pursuing the International Baccalaureate Diploma or the Gold Medallion Honors Diploma. Summer assignments will be required in preparation for NKCHS Pre-IB/Honors Art/Design II.

### NKCHS Pre-IB/Honors Art/Design II



Course ID: ART208Y

Credit: 1

Grade Level: 10

Prerequisite: NKCHS Pre-IB/Honors Art/Design I

**Course Description:** NKCHS Pre-IB/Honors Art/Design II, an extension of level I, is a one-year course designed for accelerated art students who are pursuing the International Baccalaureate Diploma or the Gold Medallion Diploma. The course evaluates the abilities of students in technical skills, work ethic, self-motivation, and literacy in art. Students prepare for Standard Level and Higher Level IB courses. Students will be introduced to self-structured studio and research work and continue with group-structured curriculum. Students who show superior ability in meeting the objectives of this level of the program will be encouraged to concentrate more time in self-structured studio and research work. Various wet media and 3-D media will be explored creating an acquisition of techniques to integrate into studio projects. Students will continue to explore and research artists and art history periods. A portfolio of work and research workbooks to document progress will be required, along with some commitment to, outside of school, preparing for examination years. Bookbinding and workbook creation will be introduced at the start of the course. Summer projects in relation to their portfolio theme will be required in preparation for IB Art/Design HL.

### 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

**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

**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

**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

**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.***

## **IB Visual Arts SL/HL**



Course ID           ART513Y (SL)                           Credit:   1                           Grade Level:   11, 12  
                          ART312Y (HL)  
Prerequisite:       NKCHS Pre-IB/Honors Art/Design II, Teacher Approval

**Course Description:** IB Art Design HL/SL is a two-year, accelerated course that requires students to complete 240 hours for HL and 150 hours for SL. The course is designed for students specializing in the visual arts with creative and imaginative abilities and who may pursue the visual arts at a college or university. Course syllabus will provide requirements. Students prepare for the International Baccalaureate Higher and Standard Level exams. While in class the IB HL and SL students will discover and explore the Visual Arts in Context (artists and why they make art), Visual Arts Methods (ways of making art) and Communicating Visual Arts (ways of presenting art). Students are expected to create a digital Process Portfolio, digital Comparative Study and series of artwork based around a particular theme of choice. HL and SL “screen” requirements vary depending on the portfolio.

## **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 artmaking, 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 Credit: 1 Grade Level: 9, 10, 11, 12  
Prerequisite: Audition

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

## **IB Music SL**



Course ID: MUS302Y      Credit: 1      Grade Level: 11, 12  
Prerequisite: Enrollment in Band, Choir or Orchestra, or special permission from the instructor. HL MUST have teacher approval.

**Course Description:** IB Music SL is a two-year course that includes components of music theory, music history, music performance and music composition and prepares students for the IB Music Standard Level exam. This course provides an appropriate foundation for further study in music at university level or in music career pathways. It also provides an enriching and valuable course of study for students who may pursue other careers. This course also provides all students with the opportunity to engage in the world of music as lifelong participants. SL students in music are required to study musical perception. All students therefore submit a musical links investigation and also respond to a listening examination paper. SL students also choose one of three options: creating (SLC), solo performing (SLS) or group performing (SLG).

## **Music Theory**



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

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

## **AP Music Theory**



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

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

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

## ***Vocal Music***

### **Mixed Choir**

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

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

## Bass Choir

Course ID: MUS213  
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

## **NKCHS Pre-IB/Honors Theatre I**



Course ID: SPT104Y                      Credit: 1                      Grade Level: 9, 10, 11, 12  
Prerequisite: None

**Course Description:** NKCHS Pre-IB/Honors Theatre I is a one-year course that explores the basic elements of theatre concerning stage direction, character development, dramaturgy, stagecraft, and other technical aspects. Emphasis will be on world theatre, research, and reflection. Written and oral presentations, examinations, and projects will be the assessments used.

## **NKCHS Pre-IB/Honors Theatre II**



Course ID: SPT203Y                      Credit: 1                      Grade Level: 10, 11, 12  
Prerequisite: NKCHS Pre-IB/Honors Theatre I

**Course Description:** NKCHS Pre-IB/Honors Theatre II is a one-year course designed to further study both performance techniques and pre-production responsibilities and techniques. Emphasis will be placed on design practices and process, the historical developments in each area, world theatre, director's vision, journal keeping, and critical analysis of productions and texts. Techniques in acting will be reinforced through period pieces from classical and contemporary texts. Theatre in historical contexts will be studied through discussions. The class also will produce a children's theatre production to tour throughout the district.

## **IB Theatre HL**



Course ID: SPT301Y                      Credit: 1                      Grade Level: 11, 12  
Prerequisite: NKCHS Pre-IB/Honors Theatre II

**Course Description:** IB Theatre Arts HL is a two-year course of intensive study that prepares students for the International Baccalaureate Higher Level assessments and for further theatre studies. Students will focus on theatre in the making, theatre in performance and theatre in the world. The first year students look at dividing original and theatre practices in different cultures through masks, costumes, make-up and dance. Through both years, students will be involved in practical workshops on different theatre practitioners such as Stanislavski, Artaud, Grotowski and Boal. The second year involves studying the development of the American musical, senior exhibition shows and preparing for internal and external assessments for the International Baccalaureate Programme.

## **Theater III**

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

**Course Description:** The focus of Theater III is designed to further the study of the serious theater student. Students will pursue an in-depth study of the elements of directing, script writing, and play production. Students will have the opportunity to pursue a focus area of their choice from the following areas: lighting, sound, special effects, costumes, make-up, stage and set design, or properties.

## **College Theater: Foundations of Fine Arts**



Course ID: SPT105                      Credit: 1                      Grade Level: 11, 12  
Prerequisite: None

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

## **Competitive Drama**

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

**Course Description:** This class is designed for the student who wants to improve skills in acting and performance. Activities in humorous and dramatic interpretation, prose and poetry reading, duet acting, and duo interpretation allow individuals to refine acting skills and techniques. **Participation in interscholastic competition 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.***



Extraordinary Educational  
Experiences

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

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

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

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



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

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

## **Physical Education**



Course ID: PEH102  
Prerequisite: None

Credit: .5

Grade Level: 9, 10

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

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

## **Strength & Conditioning I**

Course ID: PEH107  
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

---

# Practical Arts – Business & Marketing

---



Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

---

## **Business Law**

Course ID: BMK100 Credit: 1 Grade Level: 9, 10, 11, 12  
Prerequisite: None

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

## **Accounting I**



Course ID: BMK200 Credit: 1 Grade Level: 10, 11, 12  
Prerequisite: None

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

## **Accounting II**

Course ID: BMK304 Credit: 1 Grade Level: 11, 12  
Prerequisite: Accounting I

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

## **Business Management**



Course ID: BMK307 Credit: .5 Grade Level: 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.



## **IB Business Management SL**

Course ID            BMK407Y                            Credit: 1                            Grade Level: 11, 12  
Prerequisite:        9th & 10<sup>th</sup> Grade BLE Courses

**Course Description:** The business management course is designed to develop students' knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students learn to analyze, discuss, and evaluate business activities at local, national, and international levels. The course covers the key characteristics of business organization and environment and the business functions of human resource management, finance and accounts, marketing, and operations management. Links between the topics are central to the course. Through the exploration of six underpinning concepts (change, culture, ethics, globalization, innovation, and strategy), the course allows students to develop a holistic understanding of today's complex and dynamic business environment. The conceptual learning is firmly anchored in business management theories, tools and techniques and placed in the context of real-world examples and case studies. The course encourages the appreciation of ethical concerns at both a local and global level. It aims to develop relevant transferable skills, including the ability to: think critically; make ethically sound and well-informed decisions; appreciate the pace, nature, and significance of change; think strategically; and undertake long term planning, analysis, and evaluation. The course also develops subject-specific skill, such as financial analysis.

## **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.



## **Marketing Advanced**

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

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

## **Entrepreneurship**

Course ID            BMK105                            Credit: 1                            Grade Level: 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  
Prerequisite: Marketing Principles

Credit: .5

Grade Level: 11, 12

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

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

## **Sports Marketing 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.

## **Sports Marketing II**

Course ID: BMK319Y  
Prerequisite: Sports Marketing I

Credit: .5 or 1

Grade Level: 11, 12

**Course Description:** Sports Marketing II is the next step for those students who have already completed 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  
Prerequisite: Concurrent enrollment in Marketing Principles, Marketing Advanced, or Entrepreneurship

Credit: .5 – 2

Grade Level: 11, 12

**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  
Prerequisite: None

Credit: .5

Grade Level: 9, 10, 11, 12

**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  
Prerequisite: None

Credit: 1

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)*

**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

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

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

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

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

## AP College Computer Science A – PLTW



Course ID: BMK113  
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                           Credit:   1  
Prerequisite:       AP College Computer Science Principles – PLTW

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.



Extraordinary Educational  
Experiences

---

# Practical Arts – Family & Consumer Science

---



Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

---

## **Foods for Life**

Course ID: FAC104

Credit: .5

Grade Level: 9, 10, 11, 12

Prerequisite: None

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

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

## **International Foods**

Course ID: FAC109

Credit: .5

Grade Level: 10, 11, 12

Prerequisite: Foods for Life

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

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

## **ProStart Foods Level I**



Course ID: FAC206

Credit: 1

Grade Level: 10, 11, 12

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

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

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

## **ProStart Foods Level II**



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

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

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

## **Fashion 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 Design**

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

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

## **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 to predict next year's fashion and interior trends and analyze consumers' past and current cultural influences. You will also learn how color, textiles, consumer motivation, sales, and current publications affect the art of merchandising. This class helps to develop skills needed to become a future leader within the fashion and interior design industry.

## **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                            Grade Level:    11, 12  
Prerequisite:        Advanced Fashion Product Development

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

### **Child Development I**

Course ID            FAC106                            Credit:    .5                            Grade Level:    9, 10, 11, 12  
Prerequisite:        None

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

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

### **Child Development Learning Center I**

Course ID            FAC102                            Credit:    1                            Grade Level:    9, 10, 11, 12  
Prerequisite:        None

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

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

### **Child Development II**

Course ID:            FAC305                            Credit:    .5 or 1                            Grade Level:    9, 10, 11, 12  
Prerequisite:        Child Development I

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

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

### **Child Development Learning Center II**



Course ID            FAC306                            Credit:    1                            Grade Level:    10, 11, 12  
Prerequisite:        Child Development Learning Center I

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

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

## **Self-Development I**

Course ID            FAC203  
Prerequisite:        None

Credit:    .5

Grade Level:    10, 11, 12

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

## **Self-Development II**

Course ID            FAC208  
Prerequisite:        Self-Development I

Credit:    .5

Grade Level:    10, 11, 12

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

## **Interpersonal Relationships**

Course ID            FAC322  
Prerequisite:        None

Credit:    1

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  
Prerequisite:        Child Development I and II strongly suggested

Credit:    1

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.

## **FACS Internship (off campus)**



Course ID            FAC301  
Prerequisite:        Successful completion of entry-level FACS course and application. Transportation provided by the student

Credit:    .5 – 2

Grade Level:    11, 12

*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.**

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



Off Campus

## College Intro to Engineering Design – PLTW



Course ID           IND102  
Prerequisite:       None

Credit:   1

Grade Level:   9, 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 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.

## **IB Design Technology SL**



Course ID                      ART514Y                      Credit:    1                      Grade Level:    11,12  
Prerequisite:                9<sup>th</sup> & 10<sup>th</sup> Grade PLTW Engineering, 9<sup>th</sup> & 10<sup>th</sup> Grade Computer Science, or  
   Creative Design I/II

**Course Description:** DP design technology aims to develop internationally minded people whose enhanced understanding of design and the technological world can facilitate our shared guardianship of the planet and create a better world. It focuses on analysis, design development, synthesis, and evaluation. The creative tension between theory and practice is what characterizes design technology within the DP sciences subject group. Inquiry and problem-solving are at the heart of the subject. DP design technology requires the use of the DP design cycle as a tool, which provides the methodology used to structure the inquiry and analysis of problems, the development of feasible solutions, and the testing and evaluation of the solution. In design technology, a solution can be defined as a model, prototype, product, or system that students have developed independently. Design technology achieves a high level of design literacy by enabling students to develop critical-thinking and design skills, which they can apply in a practical context. While designing may take various forms, it will involve the selective application of knowledge within an ethical framework.



Extraordinary Educational  
Experiences

---

*Practical Arts - Journalism*

---



Off Campus

**Journalism 1 (ELA Credit)**

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

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

## Journalism 1 Broadcast

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

**Course Description:** This class is the introduction course to Journalism 2 Broadcast and is for students interested in learning how to produce a television broadcast. Students will learn hands-on techniques by being behind and in front of the camera, as well as editing techniques using professional grade software. It also covers media law and ethics as it applies to broadcasting. 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.

## Journalism 1 Photography

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

**Course Description:** 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.

## Journalism 2 Magazine Across Platforms

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

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

**Journalism 2 Yearbook**

Course ID	MED301	Credit: 1	Grade Level: 10, 11, 12
-----------	--------	-----------	-------------------------

Prerequisite: Journalism 1 or Journalism 1 Photography, a portfolio submission will be required if course enrollment exceeds capacity.

**Course Description:** This class produces the school yearbook, a history of one school year. Students apply principles of journalistic writing, ad design, layout, graphic arts, photography, staff management, publishing, and finding answers to the practical, legal, and ethical questions of producing student publications. The yearbook requires some work in the summertime as well. Students are not required to own a camera; the school may provide a camera. ***May be repeated for credit.***

### **Journalism 2 Broadcast**

Course ID MED205 Credit: 1 Grade Level: 10, 11, 12  
Prerequisite: Journalism 1 Broadcast, a portfolio submission will be required if course enrollment exceeds capacity.

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

### **Journalism 2 Sports Broadcasting**

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

*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 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 Grade Level: 10, 11, 12  
Prerequisite: Concurrent enrollment in Journalism 2 course (Multimedia, Yearbook, Broadcast, Sports Broadcast, or Sports Marketing).

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

## **Communications Capstone**



MED304S

Credit: .5 per block

Grade Level: 11, 12

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.***



Extraordinary Educational  
Experiences

---

# International Baccalaureate

## Core Subjects

---



Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

### **IB Theory of Knowledge/Research**



Course ID            RES502Y                            Credit:    1                            Grade Level:    11, 12

Prerequisite:        None

**Course Description:** Theory of Knowledge, capstone course of the IB curriculum, allows the learner to synthesize the approaches to understanding gained over the course of IB study. The course raises questions about the epistemological validity of knowledge, and in so doing seeks a cross-curricular understanding of how a learner learns and, ultimately, knows. Students will pursue a wide range of readings to be examined in a Socratic Seminar setting combining literature, history, science, mathematics, fine arts, psychology, and philosophy, among others. Additionally, the two-year course will maximize preparation for standardized testing (ACT, SAT, MAP), discuss college applications and essays, develop, and utilize research skills necessary for the Extended Essay, originate Creativity, Action, Service (CAS) projects, and allow for flexible, in-class grouping of students. Enrollment is limited to IB Diploma candidates.

### **IB Personal and Professional Skills**



Course ID            RES506Y                            Credit:    1                            Grade Level:    11, 12

Prerequisite:        International Baccalaureate Career-related Certificate Candidate

**Course Description:** Personal and Professional Skills, capstone course of the IBCP, allows the learner to synthesize the approaches to understanding gained over the course of IB study. The course is designed to help students acquire transferable skills needed to successfully navigate the 21st century. This course engages students in the development of communication, critical thinking, intercultural understanding, and personal development. These components encourage self-reflection and crosscultural connections through the themes of communities, technology, environment, and workplace. Additionally, the two-year course will develop research skills necessary for the Reflective Project, initiate Service Learning, and create an original Language Development Portfolio related to the career-related study. Enrollment is limited IBCP candidates.



Extraordinary Educational  
Experiences

---

# General Electives

---



Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

## **Marching Auxiliary**

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

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

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

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

**Course Description:** The 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 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.

### Peer Mentor

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

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



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

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

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



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.***

Course ID	SPS300	Credit:	.50	Grade Level:	11, 12
Prerequisite:	Theater I				

## Leadership

## Leadership for School Climate & Culture

## AP Seminar



## AP Research



## **Pathways Ambassadors**

Course ID: GEN318

Credit: .5

Grade Level: 9

Prerequisite: Application and teacher recommendations

**Course Description:** Emphasis of the class will be on developing personal leadership skills and understanding group processes through pathways projects and advanced movement on the work-based learning continuum. Students will work together and with staff to gain organizational, effective communication, and public relations skills. In this course, students will work closely with building college and career facilitators to plan pathways events that will include tours and recruitment events. ***May be repeated for credit.***



Extraordinary Educational  
Experiences

# CTEC - Career and Technical Education Center



Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

*Practical Arts courses.*

*Note: All CTEC programs are by application and approval. Applications are available in the Counseling offices or visit <https://www.nkcschools.org/page/690>*

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

## **Automotive Technology I**



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

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

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



Course ID            ECM323                            Credit:    .5                            Grade Level:    11, 12  
Prerequisite:        Concurrent enrollment in CTEC Automotive Technology or Information Technology

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

## **Technical Mathematics (embedded credit)**



Course ID            ECM312                            Credit:    .5                            Grade Level:    11, 12  
Prerequisite:        Concurrent enrollment in CTEC Automotive Technology or Information Technology

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

---

# Metropolitan Community College Advanced Technical Skills Institute– Early College Program

---



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:** The Building Maintenance & Construction, or also called the Kansas City Career Construction Academy (KCCCA), allows students to earn multiple college hours at MCC – Advanced Technical Skills Institute. KCCCA is a half day off campus program and open to all students starting their Junior or Senior year. Students will have the opportunity to concurrently earn their high school diploma and college credits toward an Associate of Applied Sciences degree in Building Maintenance and Construction. Information and application can be found at <https://www.nkcschools.org/page/4319>.

39-66 college credits

Level I & II Certificates  
OSHA 10-hour card

## **College Engineering Technology I**



Course ID           BTC305

Credit:    3

Grade Level:   11, 12

Prerequisite:    None

**Course Description:** Engineering technicians work hand-in-hand with engineers, technologists, industrial designers, and production specialists to design, create, and manufacture almost anything you can imagine. Engineering technicians and drafters focus on applying software, technology, and industry knowledge to projects, whereas engineers focus on theoretical thinking. Engineering technicians and drafters work with engineers, designers, physical scientists, or planners to design processes, places, or products. Students learn about engineering graphics and computer aided design, electrical theory, workplace safety, Revit, Solid Works, and Inventor software packages, entrepreneurship, and more. This program will give you solid foundational skills in computer-aided drafting and design (CADD), parametric modeling, prototyping and residential design. In the Engineering Technology Early College track you will earn:

39-42 college credits

OSHA 10-hour card  
OSHA Electrical Safety

Computer Aided Drafting Certificate

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



Course ID            BTC312  
Prerequisite:        None

Credit:    3

Grade Level:    11, 12

**Course Description:** In the Heating, Ventilation and Air-Conditioning track, you will work with the same equipment you'll use on the job while installing and maintaining the efficiency of climate control systems in residences and commercial settings. Students will learn how to install, service and maintain climate control systems, as well as mechanical, electrical, and electronic components in heating and cooling equipment. Students will also work on furnaces, air-conditioners, refrigeration units, heat pumps and boilers, develop a mind-set for safety at work and learn how to troubleshoot problems. Our advanced certificate includes courses that students can use to transfer and pursue a bachelor's degree. The HVAC program also prepares students to take and pass EPA 608 refrigerant certification as well as the industry recognized HVAC Excellence Certifications. In Heating, Ventilation, and Air-Conditioning Early College track you will earn:

39-42 college credits	OSHA 10-hour card
HVAC Job Ready Certificate	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 welding program will teach shielded metal arc welding, MIG welding, TIG welding, pipe welding, flame cutting and plasma cutting. Your coursework, working toward an Associate's Degree, will include interpreting blueprints, electrical fundamentals, welding metallurgy and American Welding Society electrode classifications. You will use equipment and techniques used in the industry and build a foundation to enter the workforce. Our programs prepare students for AWS Level I and Level 2 certification. You can work as a welder, fabricator, maintenance welder, MIG/TIG welder, inspector, manager, salesperson, engineer, pipefitter and much more. 39-42 college credits, OSHA 10-hour card, CPR Certificate, OSHA Electrical Safety, NIMS Certificates, OSHA Machine Guarding.



Extraordinary Educational  
Experiences

---

# Off Campus Programs: Northland CAPS

---



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 or find more information at <https://www.northlandcaps.org/s/1625/bp19/home.aspx>.*

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

## **Digital Media and Design**



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

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

## **Engineering and Advanced Manufacturing**



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

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

## **Global Business and Logistics**



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

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

## Medicine and Healthcare



Course ID        NCS102  
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.



Extraordinary Educational  
Experiences

### Entrepreneurial Studies (Class Act Coffee)

**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. 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 have the opportunity to dive deeper into their specific areas of interest while learning all facets of operating a business.



*North Kansas City Schools*

# Off Campus Program: Northland Career Center (NCC)



Available in Launch  
(Online learning)



Weighted



Gold Medallion course



Potential to earn  
college credit



Off Campus

*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://www.plattecountyschooldistrict.com/page/25> 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.

Students must provide their own transportation home from the high school (if attending the afternoon session) because the schedule for the NCC program extends outside the normal school day. Buses for the afternoon session return as late as 3:15 p.m. to the high school. The school district cannot provide transportation home for the high school students wishing to enroll in the afternoon NCC session.

## Agriculture, Food, and Natural Resources

### Agricultural Sciences – Plant Systems



Course ID                      STC135                                      Credit:    3                                      Grade Level:    10, 11, 12  
Prerequisite:                  Algebra I, Basic Science and Reading Level: 10<sup>th</sup> grade +

*Note: Class rotates AM/PM sessions each year. For example, students enrolled as sophomores/juniors in the AM will stay in the AM class the following year to take Animal Systems. 2021-22 school year Plant Systems class is offered in the AM.*

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

**Optional:** Three (3) hours of dual credit through State Fair Community College.

## Agricultural Sciences – Animal Systems



Course ID            STC136                            Credit:    3  
Prerequisite:        Algebra I, Basic Science and Reading level: 10<sup>th</sup> grade +

Grade Level:    10, 11, 12

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

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

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

**Optional:** *Three (3) hours of dual credit through State Fair Community College.*

## Construction Technology I



STC103                            Credit:    3                            Grade Level:    11, 12

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.

## *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.*

## *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.

## *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. 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 childcare 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.



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.



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.



Course ID	STC129	Credit:	3	Grade Level:	11, 12
Prerequisite:	Mechanical aptitude				

**Course Description:** Instruction will include basic concepts in aircraft blueprints/drawings, avionics, aircraft structure/composition, aircraft sheet metal and welding, aircraft systems and components, safety, and human factors. Students will also study the aerodynamics and performance of flying an Unmanned Aircraft in order to earn their remote pilot certificate.



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

*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  
Prerequisite:        Recommended: Algebra I, Physics, Physical Science, and Basic Electricity

Credit:    3

Grade Level:    11, 12

**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.

### Industrial Welding I



Course ID            STC113  
Prerequisite:        9<sup>th</sup> grade math level; previous drafting classes desirable

Credit:    3

Grade Level:    11

**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.

### Production Technologies I



STC133  
None

Credit:    3

Grade Level:    11, 12

**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.